
















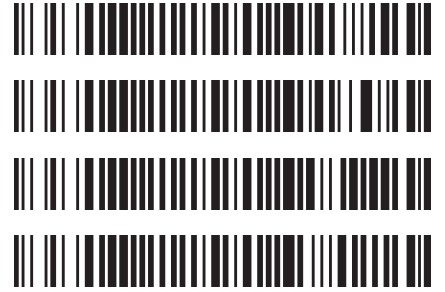


Worklist: 6748

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-5408	1	COBCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-0491	11	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-0512	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-0660	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-0677	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2024-0783	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0387	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0456	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0458	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0490	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0509	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0551	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0552	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0559	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0566	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0567	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0568	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0575	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0576	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0577	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2024-0578	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

Worklist: 6748

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2024-0587	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2024-0589	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2024-0629	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2024-0672	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



AM# 28: Multi-Drug Quantitation by LC-MS/MS

Extraction Date: 03/14/2024

Plate lot#: 231215

Mobile phase A: 5mM Amm Form + 0.01% FA
Instant Buffer I

Blank Blood Lot: Lampire 23E52981

LCMS-QQQ ID: 069901

Analyst: Celena Shrum

Plate Retest Date: 06/15/2024

Mobile phase B: 0.01% Formic Acid in MeOH
Ethyl Acetate LC Methanol

Column: Agilent 120 EC-C18 (2.1x 100-2.7um)

Pre-Analytic:

- 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
- 2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Using a calibrated pipette, pipette **250µL blood** into the appropriate wells of the analytical (standards) plate.
Pipette ID: 16
- 3. Pipette **250µL of 0.5 M ammonium hydroxide** in wells of analytical plate.
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 5. Transfer **300L of blood+base** mixture to corresponding wells of SLE+ plate.
- 6. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right). Manifold ID: 067104
- 7. Wait 5 minutes.
- 8. Add **900uL ethyl acetate**.
- 9. Wait 5 minutes.
- 10. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 11. Add **900uL ethyl acetate**.
- 12. Wait 5 minutes.
- 13. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 14. Remove plate containing eluate.
- 15. Add 50µl of 1% HCl in MeOH to all wells in the run and place ACT cover on top of plate prior to drying.
- 16. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 17. Reconstitute in **100µL 20% LC MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- 1. Create batch and process data.
- 2. Make necessary changes to integration limits
- 3. Integration linear and R² values ≥0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Yes, see comments Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

Comments:

Curve Limits:

6-MAM 1-100 --calibrator 1 dropped due to ratio

Alpha-PHP 5-500 --calibrator 8 dropped due to QC 1000 accuracy

Amphetamine 5-500 --calibrator 8 dropped due to accuracy
Clonazepam 5-500 --calibrator 8 dropped due to accuracy
Clonazepam 5-250 --calibrators 7 and 8 dropped due to accuracy
Codeine 5-500 --calibrator 8 dropped due to QC 1000 accuracy
Dihydrocodeine 5-500 --calibrator 8 dropped due to accuracy
Etizolam 5-500 --calibrator 8 dropped due to accuracy
Ketamine 5-500 --calibrator 8 dropped due to accuracy
Lamotrigine 5-500 --calibrator 8 dropped due to accuracy
MDA 5-500 --calibrator 8 dropped due to accuracy
Meprobamate- 5-100 --calibrators 6, 7 and 8 dropped due to accuracy- qualitative only
Methamphetamine 5-500 --calibrator 8 dropped due to accuracy
Metoprolol 5-500 --calibrator 8 dropped due to accuracy
Norfentanyl 0.5-50 --calibrator 8 dropped due to accuracy
Phentermine 5-500 --calibrator 8 dropped due to accuracy
Trazodone 5-500 --calibrator 8 dropped due to accuracy

8

	1	2	3	4	5	6	7	8	9	10	11	12
A									P2024-0456-1	P2024-0567-1	P2024-0629-1	IS + Cal. 8
B								M2023-5408-1	P2024-0458-1	P2024-0568-1	P2024-0672-1	IS + Cal. 7
C								M2024-0491-11	P2024-0490-1	P2024-0575-1	Neg Ctrl	IS + Cal. 6
D								M2024-0512-1	P2024-0509-1	P2024-0576-1	IS + QC_2	IS + Cal. 5
E								M2024-0660-3	P2024-0551-1	P2024-0577-1	IS + QC_4	IS + Cal. 4
F								M2024-0677-1	P2024-0552-1	P2024-0578-1	IS + QC_3	IS + Cal. 3
G								M2024-0783-2	P2024-0559-2	P2024-0587-1	IS + QC_2	IS + Cal. 2
H								P2024-0387-1	P2024-0566-1	P2024-0589-1	IS + QC_1	IS + Cal. 1



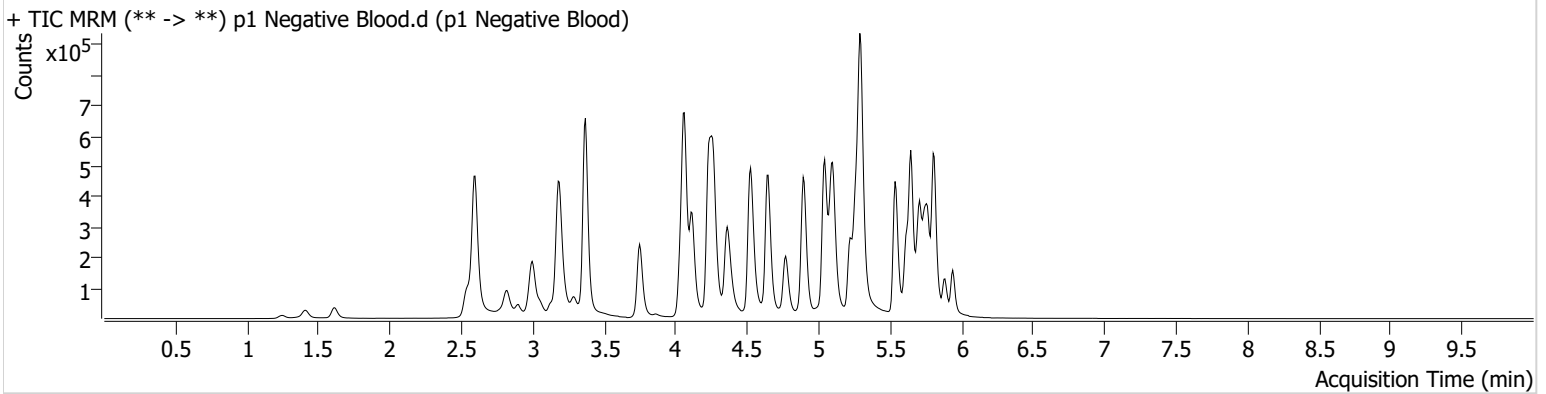
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 3/27/2024 3:18:28 PM

Instrument Falco (069901) **Data File** p1 Negative Blood.d
Type Sample **Sample** p1 Negative Blood
Acq. Method AM 28 MDQ P1.m **Operator** Celena Shrum
Sample Position P2-C11 **Comment**
Injection Volume 2
Acq. Date-Time 3/15/2024 6:45:55 PM
Sample Info.

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Cyclobenzaprine	5.627	3437	41.70	11.0 High	12.23	523176	1.0110 ng/ml



AM #28 Multi-Drug Quant. Results

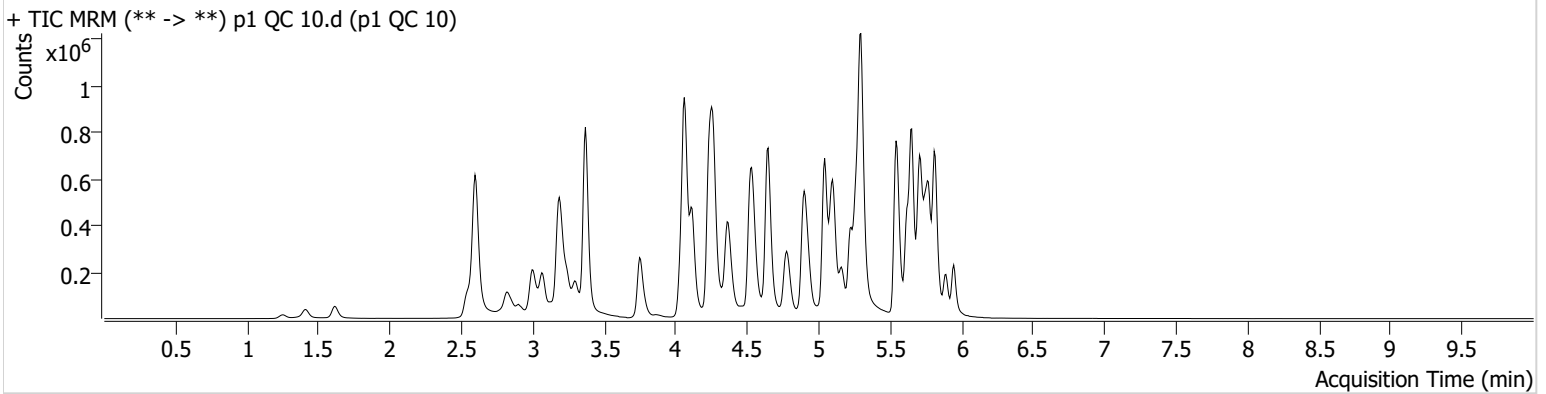
Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 3/27/2024 3:18:28 PM

Instrument Falco (069901)
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-H11
Injection Volume 2
Acq. Date-Time 3/15/2024 5:42:07 PM
Sample Info.

Data File p1 QC 10.d
Sample p1 QC 10
Operator Celena Shrum
Comment

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.136	2808	146.94	69.4	119.24	89791	0.9641 ng/ml
7-aminoclonazepam	4.271	57996	84.00	76.1	202.95	280443	10.1947 ng/ml
9-hydroxyrisperidone	4.651	8285	124.90	3785.5	1255.65	1406584	9.5018 ng/ml
a-hydroxyalprazolam	5.698	20793	∞	65.6	275.67	99761	9.6686 ng/ml
alpha-PHP	4.936	51891	1376.41	256.9	5119.20	788627	10.1156 ng/ml
alpha-PVP	4.369	178784	3231.06	49.8	355.25	788627	9.1644 ng/ml
Alprazolam	5.775	93447	1184.35	112.5	744.27	444847	9.2408 ng/ml
Amphetamine	3.074	301826	190.36	49.1	519.52	432122	9.8883 ng/ml
Benzoylcegonine	3.889	4120	662.99	38.3	90.88	15409	9.2730 ng/ml
Bromazolam	5.814	46334	66403.50	112.9	40029.83	213089	9.5309 ng/ml
Buprenorphine	5.833	4749	2903.14	17.4	729.25	175018	0.9459 ng/ml
Bupropion	4.792	192383	9174.22	68.4	185.63	589286	9.0973 ng/ml
Carisoprodol	5.723	108170	160.12	61.0	115.33	455676	9.7253 ng/ml
Citalopram	5.227	145277	378.07	35.4	350.64	718054	8.9772 ng/ml
Clonazepam	5.611	81501	1285.46	37.3	32990.41	124054	10.1224 ng/ml
Clonazolam	5.554	76905	75538.51	34.4	337.47	124054	9.8958 ng/ml
Cocaine	4.264	122332	276.13	56.1	942.82	1092633	9.7530 ng/ml
Codeine	2.596	14485	60.87	103.4	46.14	82950	9.8848 ng/ml
Cyclobenzaprine	5.627	136465	7713.51	7.8	218.99	695208	9.1070 ng/ml
Dextromethorphan	5.277	92521	92.53	85.3	942.64	494531	9.5022 ng/ml
Dextrorphan	4.116	63925	823.42	202.8	3654.62	779525	9.7636 ng/ml
Diazepam	5.954	68468	156.77	92.7	1147.10	328346	9.8738 ng/ml
Dihydrocodeine	2.575	40967	108.37	60.5	333.15	250364	10.1218 ng/ml
Diphenhydramine	5.298	379838	1943.28	29.6	2961.53	2351451	8.0961 ng/ml
Doxylamine	4.545	356615	4582.03	100.1	6327.69	1686291	9.7623 ng/ml
Duloxetine	5.647	13674	474.81	14.1	822.50	87529	8.9850 ng/ml
EDDP	5.263	130263	676.98	42.6	173.81	727655	9.0675 ng/ml
Etizolam	5.814	56941	478.11	24.0	15873.10	124054	8.7246 ng/ml
Fentanyl	5.104	15910	128.08	72.8	8776.90	828460	1.0122 ng/ml
Fluorofentanyl	5.158	39271	233.98	39.3	94.62	6800	0.9801 ng/ml
Fluoxetine	5.707	150375	3191.05	7.6	21774.30	602424	9.1464 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.029	55807	553.44	32.2	28.94	315130	9.4205 ng/ml
Hydromorphone	1.622	36899	1753.43	73.9	113297.21	125769	9.5507 ng/ml
Hydroxyzine	5.704	159131	785.94	73.8	6629.64	494531	9.5926 ng/ml
Ketamine	4.056	127613	169.69	35.5	607.27	557185	10.1404 ng/ml
Lamotrigine	4.287	13662	424.34	73.4	162.13	1611455	11.1288 ng/ml
Lorazepam	5.747	60746	752.73	57.7	159.96	514249	9.6588 ng/ml
MDA	3.208	172961	673.89	33.9	849.84	610004	10.5051 ng/ml
MDMA	3.302	123461	284.37	93.9	227.01	154746	9.1351 ng/ml
Meprobamate	4.923	45852	641.72	35.0	206.72	214981	9.3873 ng/ml
Methadone	5.652	273653	3692.88	49.6	382.55	1154835	9.5369 ng/ml
Methamphetamine	3.243	265871	233.86	39.2	971.91	1031797	9.6236 ng/ml
Metoprolol	4.326	37592	857.18	103.3	521.61	1450855	10.0440 ng/ml
Mirtazapine	4.641	257425	772.77	52.3	1222.25	788627	9.9721 ng/ml
Mitragynine	5.232	59845	741.80	35.1	252.81	1154835	9.9281 ng/ml
Morphine	1.261	7552	1452.00	25.6	2645.43	14882	9.2312 ng/ml
Norbuprenorphine	4.992	690	32.88	94.3	297.70	34279	1.0250 ng/ml
Nordiazepam	5.894	70591	1200.90	58.0	4565.33	238701	9.6812 ng/ml
Norfentanyl	4.083	27902	1115.45	36.1	81.18	1269819	1.0094 ng/ml
Norhydrocodone	3.070	10715	89.30	41.8	49.39	78171	8.4633 ng/ml
Noroxycodone	2.920	35093	281.79	45.7	300.89	125555	10.1135 ng/ml
O-desmethyl-tramadol	3.376	292175	417.06	5.1	54.87	1888655	9.3079 ng/ml
o-desmethylvenlafaxine	4.068	390104	110.33	17.0	594.16	35319	9.0165 ng/ml
Olanzapine	4.462	45557	240.58	54.6	136.95	115570	9.6798 ng/ml
Oxazepam	5.756	99715	1247.88	69.8	56.51	514249	10.4718 ng/ml
Oxycodone	2.852	88911	594.74	30.0	464.51	382017	9.3615 ng/ml
Oxymorphone	1.413	27893	526.80	45.8	103.88	105910	9.7436 ng/ml
Phentermine	3.785	70056	67.87	7.8	152.29	774848	10.0691 ng/ml
Promethazine	5.544	221979	681.90	31.7	925.73	1174457	9.8569 ng/ml
Pseudoephedrine	2.606	350003	5518.58	16.9	1984.75	1611455	9.6724 ng/ml
Quetiapine	5.553	208626	26214.10	56.0	151543.40	290014	10.4031 ng/ml
Sertraline	5.776	42274	700.07	102.0	40896.78	200004	9.9874 ng/ml
Temazepam	5.817	186797	1952.54	26.4	156.40	819470	9.9888 ng/ml
Tramadol	4.245	254831	177.44	3.9	42.11	1450855	9.0281 ng/ml
Trazodone	5.157	264178	5317.30	60.4	4076.15	861037	10.0121 ng/ml
Venlafaxine	5.044	255420	4258.21	37.5	480.20	1517340	9.6718 ng/ml
Xylazine	4.083	109945	151.06	41.9	447.55	544440	9.4772 ng/ml
Zolpidem	4.920	280316	1962.89	27.7	29026.51	1148190	9.9659 ng/ml



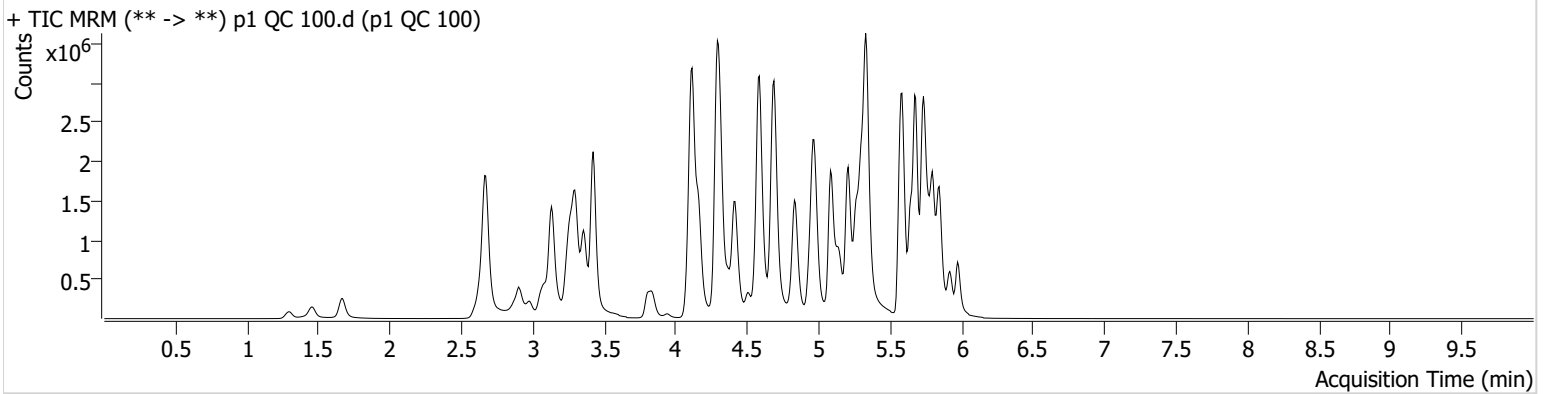
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 3/27/2024 3:18:28 PM

Instrument Falco (069901) **Data File** p1 QC 100.d
Type QC **Sample** p1 QC 100
Acq. Method AM 28 MDQ P1.m **Operator** Celena Shrum
Sample Position P2-G11 **Comment**
Injection Volume 2
Acq. Date-Time 3/16/2024 3:59:02 AM
Sample Info.

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.184	32595	55021.55	72.5	126525.59	98582	9.4765 ng/ml
7-aminoclonazepam	4.319	524300	459.63	75.4	7854.39	245495	103.9851 ng/ml
9-hydroxyrisperidone	4.692	94665	575.15	3898.7	10507.99	1568631	93.8251 ng/ml
a-hydroxyalprazolam	5.719	163915	359.18	68.0	1055.26	82325	99.8318 ng/ml
alpha-PHP	4.983	573188	21374.96	257.5	72403.22	886270	98.6646 ng/ml
alpha-PVP	4.417	2105897	41194.87	50.6	27587.27	886270	92.0175 ng/ml
Alprazolam	5.803	929621	412.22	110.6	325.53	419140	93.2217 ng/ml
Amphetamine	3.135	3057246	27387.94	46.6	28759.74	467118	102.4896 ng/ml
Benzoylcegonine	3.943	56053	170.74	30.8	959.89	19654	96.6421 ng/ml
Bromazolam	5.841	386225	335728.82	118.1	598333.89	185765	93.3514 ng/ml
Buprenorphine	5.861	58988	31301.24	14.6	11918.11	192804	9.8758 ng/ml
Bupropion	4.840	2286705	171888.49	69.1	393.80	686102	90.9274 ng/ml
Carisoprodol	5.750	939010	29311.79	59.1	977.27	392487	92.5588 ng/ml
Citalopram	5.261	1591146	195720.32	35.6	527.02	731577	90.4222 ng/ml
Clonazepam	5.638	623215	1853.57	36.8	237.14	98633	104.1454 ng/ml
Clonazolam	5.582	612233	558766.13	37.2	104436.12	98633	104.7203 ng/ml
Cocaine	4.312	1337969	471.87	56.6	24035.08	1174762	96.2824 ng/ml
Codeine	2.650	149846	6740.51	100.9	206167.75	87909	99.1244 ng/ml
Cyclobenzaprine	5.647	1548242	39327.36	7.7	134.91	709659	93.8275 ng/ml
Dextromethorphan	5.312	1020904	13717.26	80.2	14822.39	540674	92.7216 ng/ml
Dextrorphan	4.164	677042	1230631.44	210.1	1045.16	812590	95.5766 ng/ml
Diazepam	5.974	669342	10131.47	92.2	2834.32	315419	97.7965 ng/ml
Dihydrocodeine	2.629	457946	21916.43	62.5	10555.62	288304	100.3799 ng/ml
Diphenhydramine	5.339	4278568	2325470.83	30.1	43036.30	2535037	80.1008 ng/ml
Doxylamine	4.586	4416021	225859.52	96.5	931.30	1920358	99.7933 ng/ml
Duloxetine	5.674	123118	3009.03	12.8	634.84	75125	94.6275 ng/ml
EDDP	5.297	1621607	33659.36	41.4	574723.88	853324	91.8847 ng/ml
Etizolam	5.834	543648	8046.00	24.8	183254.30	98633	92.0104 ng/ml
Fentanyl	5.145	183814	133.71	79.1	232735.54	1000233	9.2187 ng/ml
Fluorofentanyl	5.199	450268	407.07	40.9	168400.75	7320	10.0710 ng/ml
Fluoxetine	5.727	1362945	300.24	7.6	125.09	525829	92.8218 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.083	630438	1567.33	33.9	2110.53	348418	96.1080 ng/ml
Hydromorphone	1.668	461182	1597522.60	74.6	3927.37	155406	94.8419 ng/ml
Hydroxyzine	5.731	1746787	2305.53	78.6	1541789.42	540674	89.6215 ng/ml
Ketamine	4.096	1311657	24451.86	35.8	311.43	640625	95.2573 ng/ml
Lamotrigine	4.334	127119	673.28	86.8	110.43	1739548	98.6136 ng/ml
Lorazepam	5.767	344228	5547.31	51.1	221.91	303509	93.9665 ng/ml
MDA	3.269	1610616	1734.12	33.5	33067.59	579428	108.8561 ng/ml
MDMA	3.356	1405278	53381.10	94.9	12491.23	163655	94.2054 ng/ml
Meprobamate	4.964	390199	3771.04	33.9	3490.86	209000	85.1211 ng/ml
Methadone	5.679	3123410	202812.07	48.6	28080.23	1254088	92.9160 ng/ml
Methamphetamine	3.297	3120566	176.01	37.8	9687.77	1202308	101.5761 ng/ml
Metoprolol	4.368	412241	686476.24	104.3	238520.08	1625528	101.0601 ng/ml
Mirtazapine	4.675	2944703	6770.12	49.3	394715.20	886270	102.9801 ng/ml
Mitragynine	5.273	697835	1184950.06	41.1	532112.61	1254088	101.1352 ng/ml
Morphine	1.294	92742	644.13	24.4	57.26	17978	95.2412 ng/ml
Norbuprenorphine	5.033	6761	83.13	103.8	8351.15	37016	9.8487 ng/ml
Nordiazepam	5.921	612713	32028.42	58.9	4151.69	206485	99.6767 ng/ml
Norfentanyl	4.131	263816	7777.72	37.7	3942.13	1158310	9.6687 ng/ml
Norhydrocodone	3.125	144483	2910.98	38.3	286.04	85548	88.3452 ng/ml
Noroxycodone	2.975	387251	6381.91	49.1	481.64	133730	101.5030 ng/ml
O-desmethyl-tramadol	3.423	3353283	208187.59	5.9	5948.42	2118619	90.5815 ng/ml
o-desmethylvenlafaxine	4.116	4109126	361367.51	16.7	2138.42	34870	94.0969 ng/ml
Olanzapine	4.510	488389	2132.17	50.5	230.77	108361	101.6084 ng/ml
Oxazepam	5.777	544002	12324.55	70.4	229.84	303509	99.4645 ng/ml
Oxycodone	2.906	1025344	957.95	29.2	529.97	427096	95.1858 ng/ml
Oxymorphone	1.453	321912	∞	46.8	∞	128396	93.4773 ng/ml
Phentermine	3.839	736288	∞	7.2	1198.42	871275	99.3205 ng/ml
Promethazine	5.572	2467779	43303.12	32.3	806.81	1229519	98.1857 ng/ml
Pseudoephedrine	2.674	3911362	33328.81	16.5	151.65	1739548	92.8315 ng/ml
Quetiapine	5.588	2151405	53585.66	60.2	946432.59	320429	102.7170 ng/ml
Sertraline	5.796	365425	4527.68	99.6	563433.69	169649	99.8463 ng/ml
Temazepam	5.851	1302217	15769.42	25.7	163.05	553254	99.1978 ng/ml
Tramadol	4.293	3048040	∞	3.8	∞	1625528	99.1612 ng/ml
Trazodone	5.205	2817510	253.01	65.2	1006312.96	982596	97.7872 ng/ml
Venlafaxine	5.085	2549429	448.48	42.4	326.61	1689510	81.1480 ng/ml
Xylazine	4.131	1208777	557.57	47.5	3758.69	581244	94.9982 ng/ml
Zolpidem	4.961	3312037	124721.83	26.8	97.71	1342278	104.6915 ng/ml



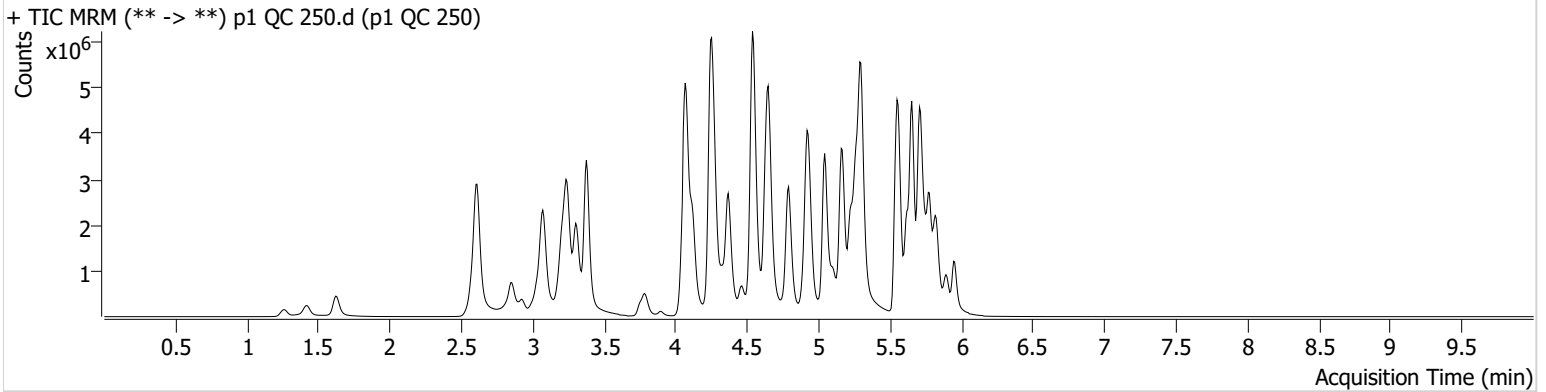
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 3/27/2024 3:18:28 PM

Instrument Falco (069901) Data File p1 QC 250.d
Type QC Sample p1 QC 250
Acq. Method AM 28 MDQ P1.m Operator Celena Shrum
Sample Position P2-F11 Comment
Injection Volume 2
Acq. Date-Time 3/15/2024 6:03:23 PM
Sample Info.

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.136	67868	230636.03	73.1	301.76	80702	23.9875 ng/ml
7-aminoclonazepam	4.271	779057	52493.24	68.9	6802.93	145596	260.3172 ng/ml
9-hydroxyrisperidone	4.651	188243	226391.98	3925.1	24511.17	1189955	245.3276 ng/ml
a-hydroxyalprazolam	5.692	252177	1915.26	70.2	1631.97	55629	228.4091 ng/ml
alpha-PHP	4.936	1077525	2615.29	257.9	65386.80	716469	229.3210 ng/ml
alpha-PVP	4.369	4273520	95415.51	51.3	741.28	716469	230.3440 ng/ml
Alprazolam	5.775	1668531	∞	110.8	17961.01	290715	240.5112 ng/ml
Amphetamine	3.074	5107586	221.45	47.9	3075.38	371941	216.3291 ng/ml
Benzoylcegonine	3.896	113692	224.37	37.5	1769.01	16559	232.3308 ng/ml
Bromazolam	5.814	655394	588947.47	117.6	736787.10	123327	239.0138 ng/ml
Buprenorphine	5.833	109632	85028.38	15.1	22432.65	144410	24.3918 ng/ml
Bupropion	4.792	4603817	954.74	68.7	56237.99	547090	229.2567 ng/ml
Carisoprodol	5.723	1490894	317973.33	60.8	14614.62	237079	242.3123 ng/ml
Citalopram	5.220	3060296	188817.38	34.4	504.81	541962	233.7619 ng/ml
Clonazepam	5.611	976550	27330.70	36.7	1060.21	68956	234.4042 ng/ml
Clonazolam	5.561	833929	736751.23	37.3	291093.54	68956	204.6238 ng/ml
Cocaine	4.264	2605227	73979.22	56.0	1363.37	892360	246.3071 ng/ml
Codeine	2.596	244159	2562.27	102.2	126.06	65210	218.0955 ng/ml
Cyclobenzaprine	5.620	2919664	2555.14	7.6	468.04	510964	244.5615 ng/ml
Dextromethorphan	5.277	1878954	48163.16	79.4	25411.84	393161	234.1448 ng/ml
Dextrorphan	4.123	1283850	34073.59	208.0	16364.71	604432	243.0414 ng/ml
Diazepam	5.954	1312028	5272.92	90.3	4196.77	250511	240.9382 ng/ml
Dihydrocodeine	2.568	832298	19755.71	64.6	25819.15	235043	224.0765 ng/ml
Diphenhydramine	5.298	8297053	41951.43	30.2	17145.02	1878169	208.8898 ng/ml
Doxylamine	4.538	9306401	173624.26	96.8	34324.64	1552088	259.1709 ng/ml
Duloxetine	5.647	203435	8120.89	13.4	1095.53	48276	243.3785 ng/ml
EDDP	5.263	3178110	71611.45	41.4	68765.11	662348	231.3103 ng/ml
Etizolam	5.814	1002141	11994.37	24.8	1426.87	68956	240.7087 ng/ml
Fentanyl	5.104	385659	243.06	77.5	88845.12	789968	24.3995 ng/ml
Fluorofentanyl	5.158	900205	306.80	40.2	146.80	6083	24.1750 ng/ml
Fluoxetine	5.707	2180436	80383.19	7.4	4330.61	341481	228.3260 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.029	1229107	∞	34.3	1480.43	278141	234.6934 ng/ml
Hydromorphone	1.622	905168	4282719.39	74.9	2214629.29	119331	242.1204 ng/ml
Hydroxyzine	5.704	3324230	102514.76	79.6	367661.75	393161	233.3490 ng/ml
Ketamine	4.048	2432464	232661.18	35.9	251.10	476453	238.3906 ng/ml
Lamotrigine	4.287	221034	778.67	85.6	52012.29	1230866	242.8464 ng/ml
Lorazepam	5.747	467908	13642.17	51.2	3382.39	167933	231.0529 ng/ml
MDA	3.208	2760132	61175.87	33.1	2411.27	422357	256.8246 ng/ml
MDMA	3.302	2809542	11590.43	93.5	182.28	122113	251.7080 ng/ml
Meprobamate	4.916	602244	4323.29	32.6	8760.08	146457	187.9402 ng/ml
Methadone	5.652	6248141	88827.05	47.3	713.38	934599	248.1142 ng/ml
Methamphetamine	3.243	6082288	3735.04	37.4	2864.21	1011548	235.9910 ng/ml
Metoprolol	4.326	769659	1417680.46	103.6	5042.17	1229093	249.9981 ng/ml
Mirtazapine	4.634	5703232	66184.12	49.0	818.65	716469	246.9428 ng/ml
Mitragynine	5.239	1274899	15651.99	35.9	161813.18	934599	247.1140 ng/ml
Morphine	1.261	186573	5670.54	22.9	460.96	13506	255.2886 ng/ml
Norbuprenorphine	4.992	13950	30.95	96.9	7389.61	31660	23.8536 ng/ml
Nordiazepam	5.894	988215	7835.58	62.4	360.84	138364	240.3079 ng/ml
Norfentanyl	4.090	448254	13660.16	37.6	4889.20	753994	25.1011 ng/ml
Norhydrocodone	3.077	284912	∞	39.0	558.14	62170	237.3099 ng/ml
Noroxycodone	2.920	721500	7941.17	48.8	528.45	100782	250.4229 ng/ml
O-desmethyl-tramadol	3.376	7111099	485277.98	5.6	71416.83	1682714	241.0103 ng/ml
o-desmethylvenlafaxine	4.068	7228092	66.29	17.0	6373.56	22854	252.1824 ng/ml
Olanzapine	4.462	1027245	4073.62	55.4	315.65	94750	243.1971 ng/ml
Oxazepam	5.749	727058	47346.04	71.0	2377.98	167933	240.7119 ng/ml
Oxycodone	2.852	2081019	3515.29	29.6	4668.05	344581	239.2245 ng/ml
Oxymorphone	1.419	591242	2463.99	48.2	3893.78	91885	240.0387 ng/ml
Phentermine	3.792	1355019	1850.11	6.9	3873.99	698959	228.6524 ng/ml
Promethazine	5.544	4753676	3783.85	32.0	1996.60	941813	245.8903 ng/ml
Pseudoephedrine	2.613	7404081	154.57	16.6	119.30	1230866	247.0424 ng/ml
Quetiapine	5.553	3966154	498.17	60.1	74315.15	245045	248.5658 ng/ml
Sertraline	5.776	602321	225.46	96.5	452.04	110182	253.0739 ng/ml
Temazepam	5.824	1929324	3019.15	25.4	878.68	292449	277.2718 ng/ml
Tramadol	4.245	6063805	∞	3.4	149.23	1229093	261.3698 ng/ml
Trazodone	5.157	5509392	120875.75	66.3	114988.30	801573	235.1028 ng/ml
Venlafaxine	5.044	6103998	1240.22	35.6	112488.65	1315411	248.0983 ng/ml
Xylazine	4.083	2355820	89155.19	49.0	5600.40	445743	240.9958 ng/ml
Zolpidem	4.920	6509047	193.68	26.3	69990.92	1100445	251.5707 ng/ml



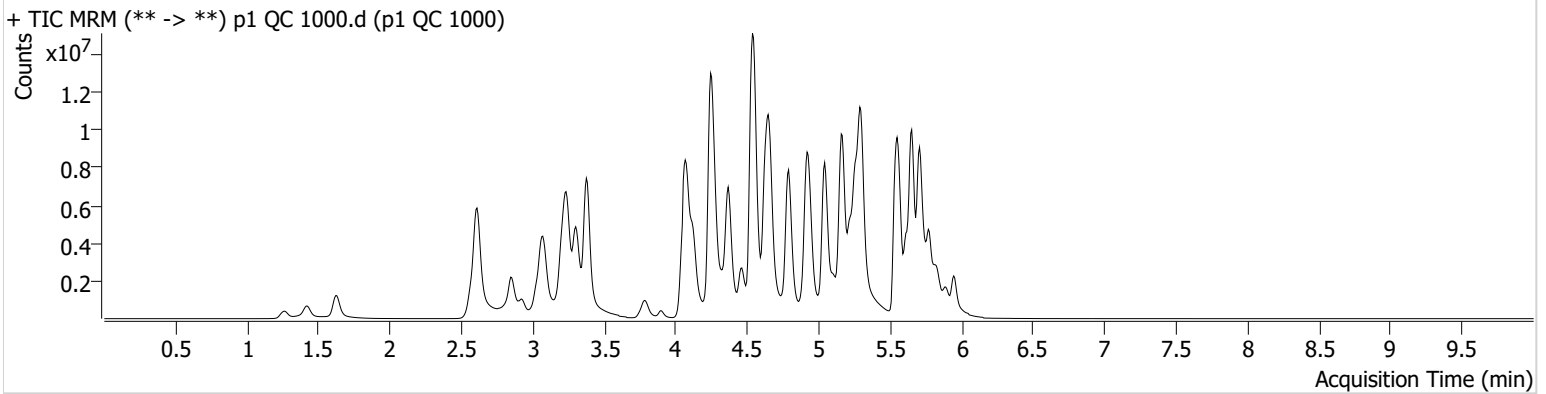
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 3/27/2024 3:18:28 PM

Instrument Falco (069901) **Data File** p1 QC 1000.d
Type QC **Sample** p1 QC 1000
Acq. Method AM 28 MDQ P1.m **Operator** Celena Shrum
Sample Position P2-E11 **Comment**
Injection Volume 2
Acq. Date-Time 3/15/2024 6:24:39 PM
Sample Info.

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.143	214855	9318.26	71.8	487.49	60377	101.2623 ng/ml
7-aminoclonazepam	4.278	895589	29356.51	73.7	7150.48	46047	945.8440 ng/ml
9-hydroxyrisperidone	4.651	490864	471344.46	4093.7	811655.60	754105	1008.2647 ng/ml
a-hydroxyalprazolam	5.685	356345	821.03	69.7	1603.70	22134	813.4345 ng/ml
alpha-PHP	4.943	2510499	2351.01	258.1	147612.83	502514	761.5729 ng/ml
alpha-PVP	4.369	12804027	∞	51.4	273232.84	502514	982.5884 ng/ml
Alprazolam	5.775	3108862	254.85	105.2	395.29	134565	966.7610 ng/ml
Amphetamine	3.076	10826979	674.62	46.2	743.09	263543	649.5253 ng/ml
Benzoylcegonine	3.896	453879	1423.75	36.3	4677.25	15790	971.9168 ng/ml
Bromazolam	5.807	1092485	500035.06	119.1	666501.32	53638	916.7856 ng/ml
Buprenorphine	5.833	298307	241843.06	14.5	25500.16	84480	113.1714 ng/ml
Bupropion	4.792	14346295	1130629.73	66.9	175281.82	444766	878.1641 ng/ml
Carisoprodol	5.723	2292253	34419.76	59.9	6235.07	85035	1036.7109 ng/ml
Citalopram	5.214	6688867	∞	34.5	3310285.40	294139	939.5216 ng/ml
Clonazepam	5.604	1190082	9269.32	36.7	6017.24	26617	741.7396 ng/ml
Clonazolam	5.568	982334	475700.42	38.0	320769.92	26617	625.7270 ng/ml
Cocaine	4.271	6286137	118518.53	58.0	933.19	542947	975.8339 ng/ml
Codeine	2.589	535665	11752.47	104.2	16621.65	41245	757.2429 ng/ml
Cyclobenzaprine	5.620	6948272	255667.05	7.0	1049.29	278729	1064.4809 ng/ml
Dextromethorphan	5.271	4013776	35652.82	78.0	41434.90	205242	957.0513 ng/ml
Dextrorphan	4.123	3192759	∞	218.0	118601.02	368166	991.0663 ng/ml
Diazepam	5.947	3085853	272.98	89.3	∞	148782	953.2766 ng/ml
Dihydrocodeine	2.568	2259006	24856.62	64.0	18270.48	196003	729.8694 ng/ml
Diphenhydramine	5.298	20504589	134695.76	30.5	135314.83	1150640	841.1930 ng/ml
Doxylamine	4.545	27566327	452043.76	95.1	450080.02	1229976	966.9673 ng/ml
Duloxetine	5.640	282837	2066.86	13.7	21744.94	18581	879.2531 ng/ml
EDDP	5.256	10113669	199085.63	40.0	27986.59	500125	973.3994 ng/ml
Etizolam	5.814	2206383	51658.44	24.4	41767.80	26617	1367.4873 ng/ml
Fentanyl	5.104	1424924	26628.75	74.5	79616.71	699128	101.6911 ng/ml
Fluorofentanyl	5.158	2256961	69185.16	44.5	7658.09	4078	90.3124 ng/ml
Fluoxetine	5.707	3905594	41940.17	7.4	179147.37	148851	937.5248 ng/ml

AM #28 Multi-Drug Quant. Results



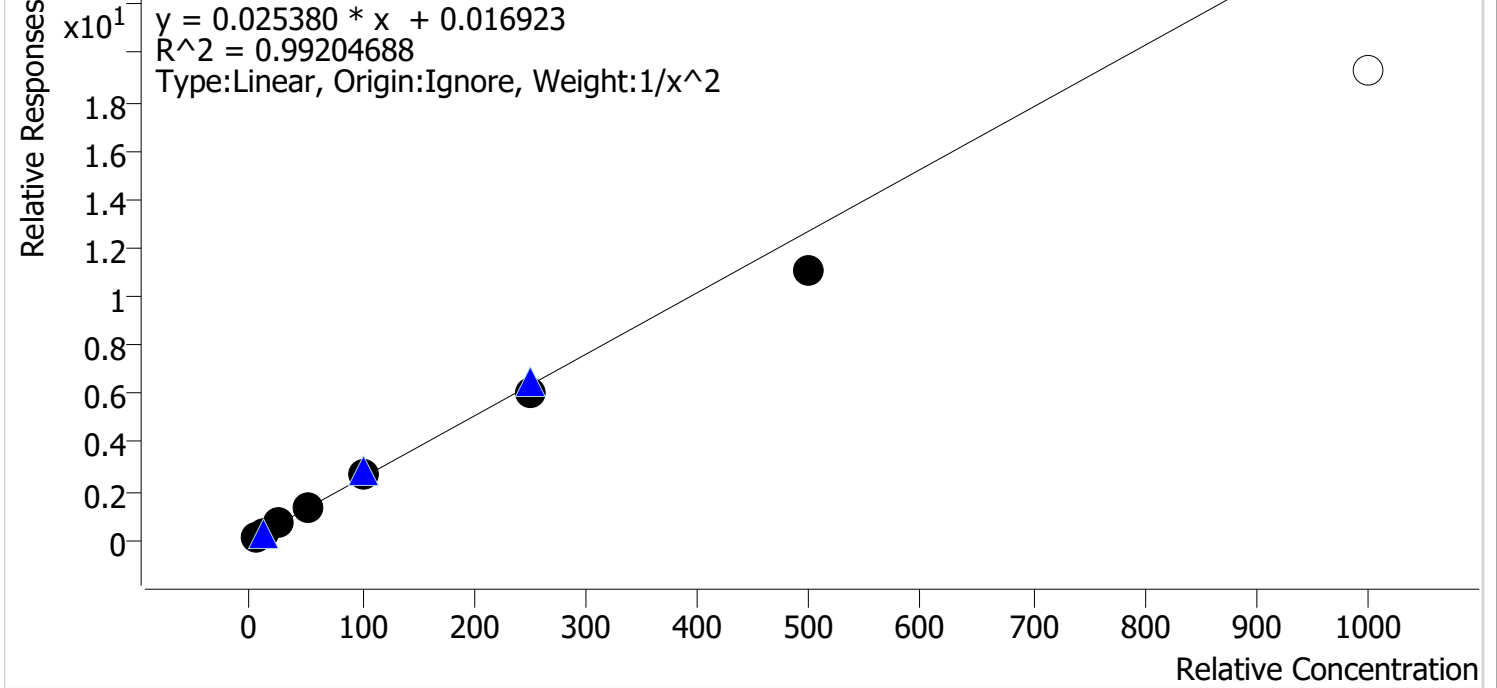
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.029	3826473	∞	37.3	∞	227111	894.7766 ng/ml
Hydromorphone	1.629	2886343	12119827.97	75.7	3261390.05	96458	954.5703 ng/ml
Hydroxyzine	5.704	8144204	45052.98	83.3	34116.23	205242	1092.4024 ng/ml
Ketamine	4.048	4973055	136814.79	34.8	389.57	336355	691.4795 ng/ml
Lamotrigine	4.293	357715	11304.71	90.1	90458.42	753850	642.2860 ng/ml
Lorazepam	5.740	668097	24799.44	54.1	3058.04	50556	1096.3893 ng/ml
MDA	3.201	5218078	181.93	32.1	49421.84	258423	794.9260 ng/ml
MDMA	3.302	6996686	124725.65	95.6	106699.09	78783	970.3841 ng/ml
Meprobamate	4.909	790707	50768.07	32.7	3212.32	84577	427.7714 ng/ml
Methadone	5.652	16772467	150023.62	47.9	53085.02	616551	1007.2485 ng/ml
Methamphetamine	3.236	15203578	197147.16	38.5	94519.33	874352	683.4237 ng/ml
Metoprolol	4.326	1647485	479042.78	105.2	141316.68	900721	730.8226 ng/ml
Mirtazapine	4.627	15247613	252.66	47.5	417314.43	502514	941.7488 ng/ml
Mitragynine	5.232	3011263	194380.13	35.7	30059.23	616551	883.3125 ng/ml
Morphine	1.261	525832	1682.45	24.3	154.27	11207	867.5190 ng/ml
Norbuprenorphine	4.992	43679	48580.82	101.4	66685.26	23314	101.6411 ng/ml
Nordiazepam	5.894	1689876	∞	59.7	475.21	63154	901.0855 ng/ml
Norfentanyl	4.090	671872	448.64	38.0	508.59	224640	125.9387 ng/ml
Norhydrocodone	3.077	843995	∞	42.1	574.77	41272	1054.0585 ng/ml
Noroxycodone	2.920	2026528	8641.86	48.5	6926.18	76069	930.9464 ng/ml
O-desmethyl-tramadol	3.376	20906166	776001.81	5.7	69812.21	1205705	987.3139 ng/ml
o-desmethylvenlafaxine	4.068	12980800	317895.78	17.6	64337.73	10010	1033.3088 ng/ml
Olanzapine	4.462	4418875	722.78	57.5	12926.99	96334	1026.1435 ng/ml
Oxazepam	5.749	814823	16402.69	70.3	4114.76	50556	896.9755 ng/ml
Oxycodone	2.845	6933830	9399.81	29.6	16218.35	291285	942.4867 ng/ml
Oxymorphone	1.419	1978903	1701.90	46.2	904.93	79639	927.1923 ng/ml
Phentermine	3.785	3198243	1032.34	7.1	∞	544530	694.0087 ng/ml
Promethazine	5.537	13362959	135746.38	30.4	105061.10	618085	1051.0348 ng/ml
Pseudoephedrine	2.613	19414682	64.26	16.0	109.79	753850	1055.1243 ng/ml
Quetiapine	5.560	8952452	72973.95	61.1	232500.55	168437	817.7872 ng/ml
Sertraline	5.776	1062917	391.09	92.9	16537.35	47458	1036.2079 ng/ml
Temazepam	5.831	2256712	11282.83	29.2	1335.45	86362	1096.9995 ng/ml
Tramadol	4.245	14767513	715.11	3.8	98.38	900721	869.2519 ng/ml
Trazodone	5.157	15145736	132900.23	72.3	349429.54	701985	739.0863 ng/ml
Venlafaxine	5.044	17798827	5122.35	34.7	96581.20	900840	1054.0948 ng/ml
Xylazine	4.083	6647250	295415.68	49.8	1077.39	312898	967.8582 ng/ml
Zolpidem	4.913	18133782	115.11	25.3	74095.14	908416	850.0475 ng/ml



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5

MDA - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

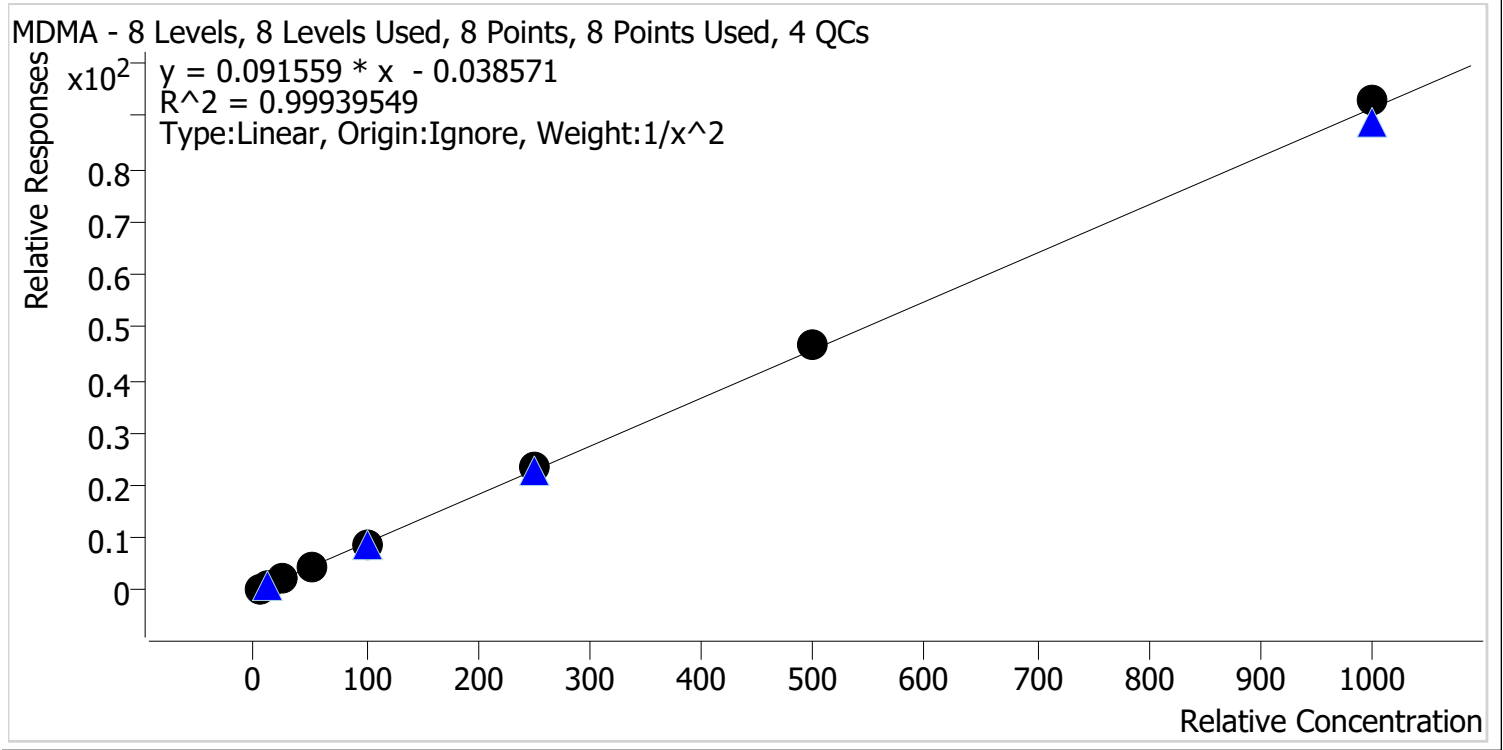


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p1 Cal 2-10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.2
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	238.9	95.6
p1 Cal 7-500ng	7	✓	500.0	433.2	86.6
p1 Cal 8-1000ng	8	✗	1000.0	757.8	75.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
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Analyst Name ISP\datastor
Analyte MDMA **Internal Standard** MDMA-D6

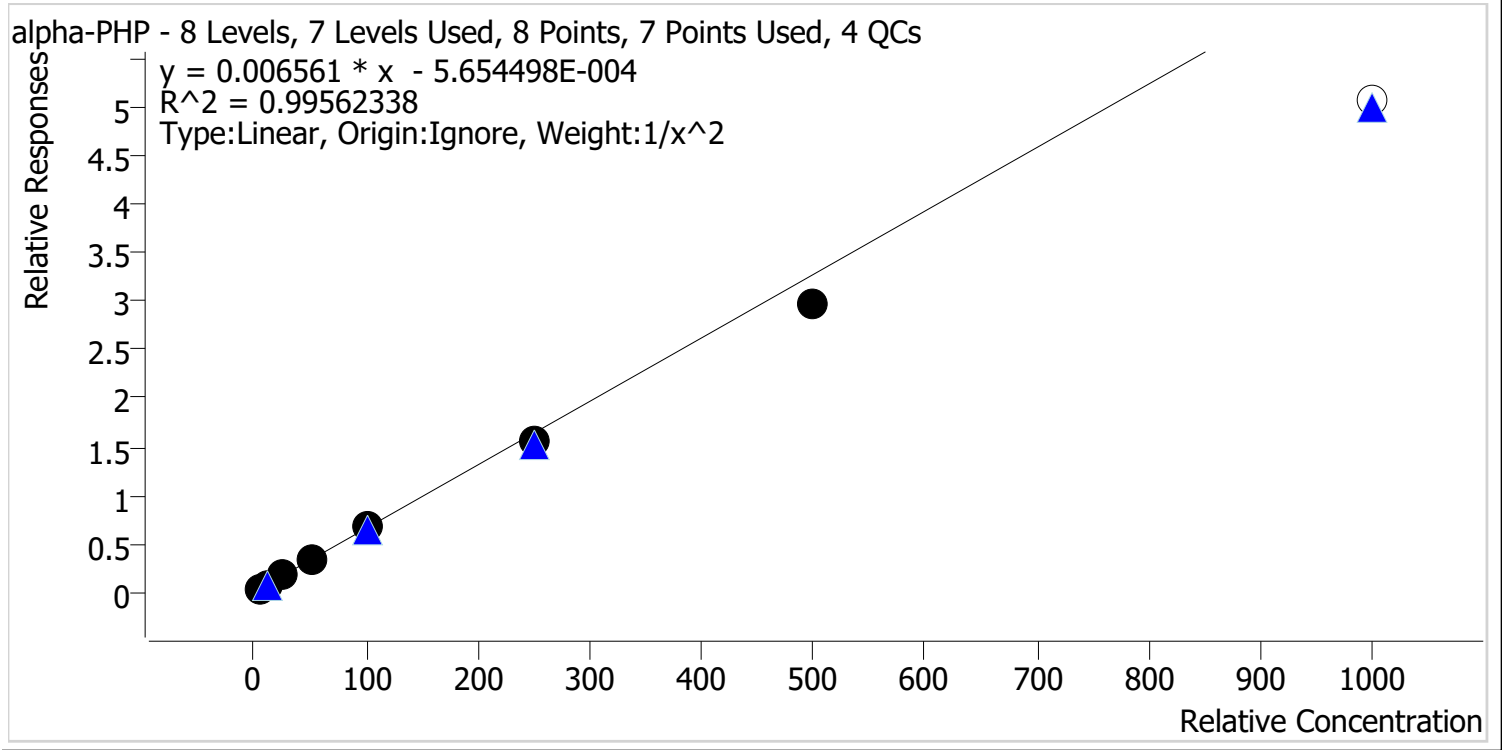


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	49.4	98.9
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	255.2	102.1
p1 Cal 7-500ng	7	✓	500.0	509.5	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1016.1	101.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
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Analyst Name ISP\datastor
Analyte alpha-PHP **Internal Standard** alpha-PVP-D8

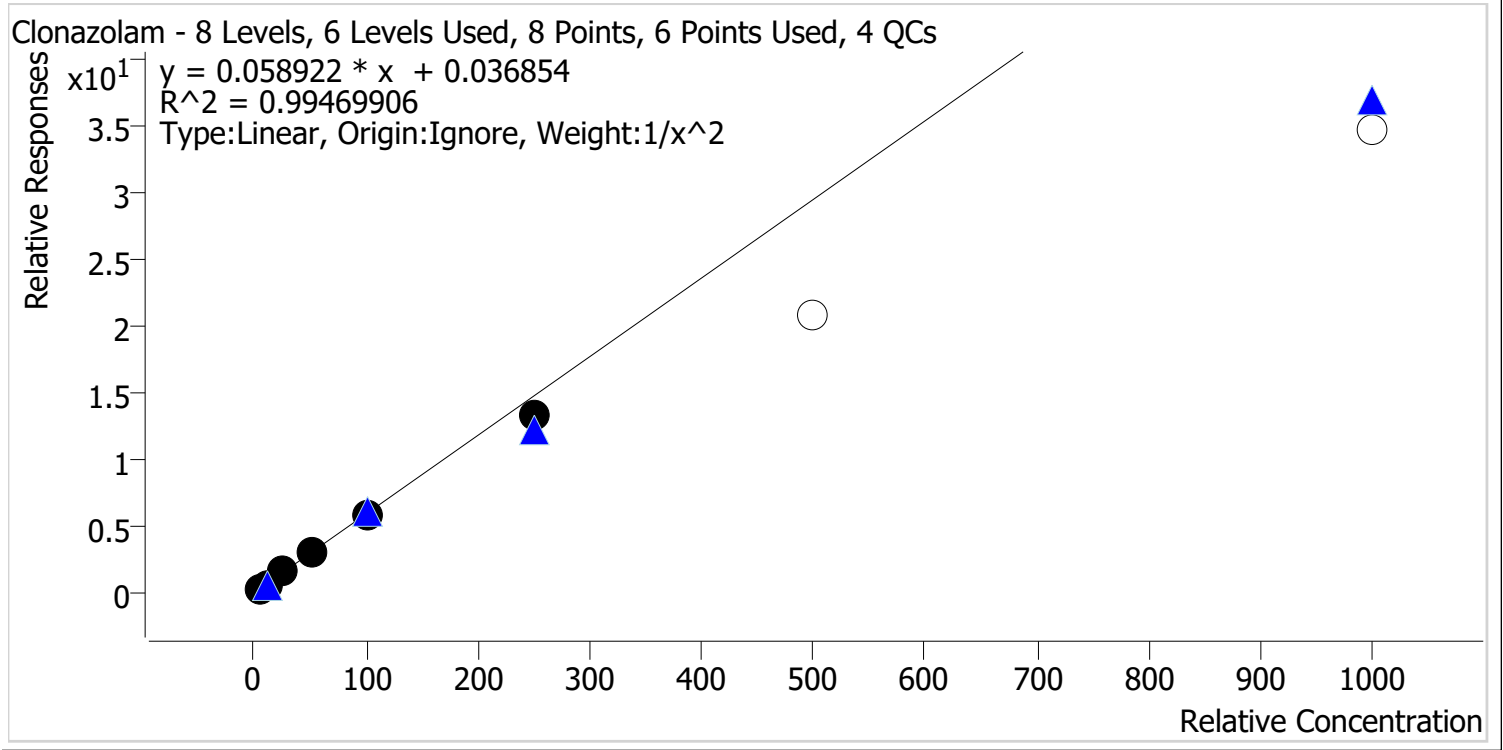


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2-10ng	2	✓	10.0	10.5	104.8
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.7
p1 Cal 4-50ng	4	✓	50.0	52.3	104.7
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	240.4	96.1
p1 Cal 7-500ng	7	✓	500.0	454.0	90.8
p1 Cal 8-1000ng	8	✗	1000.0	774.0	77.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Clonazolam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.5	105.1
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.3
p1 Cal 4-50ng	4	✓	50.0	52.7	105.5
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	225.4	90.2
p1 Cal 7-500ng	7	x	500.0	354.9	71.0
p1 Cal 8-1000ng	8	x	1000.0	588.5	58.9

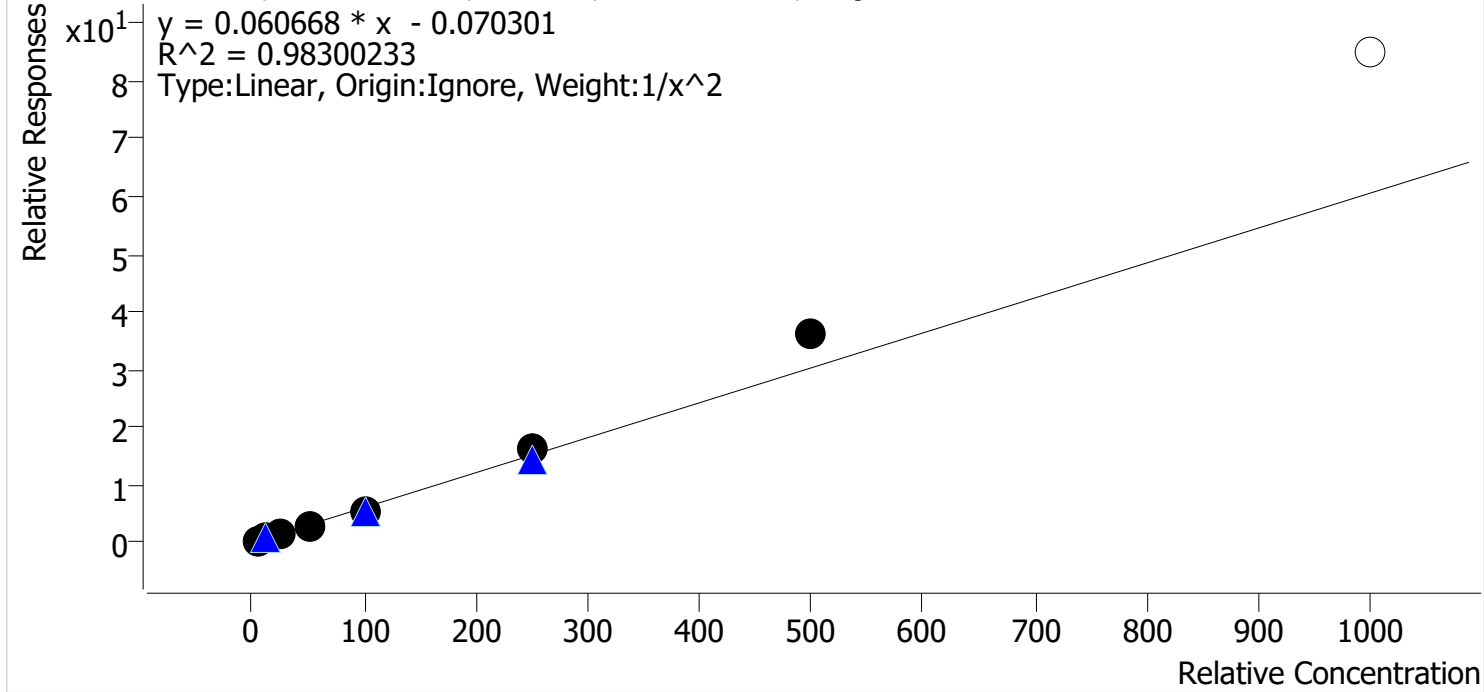
2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Etizolam **Internal Standard** Clonazepam-D4

Etizolam - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

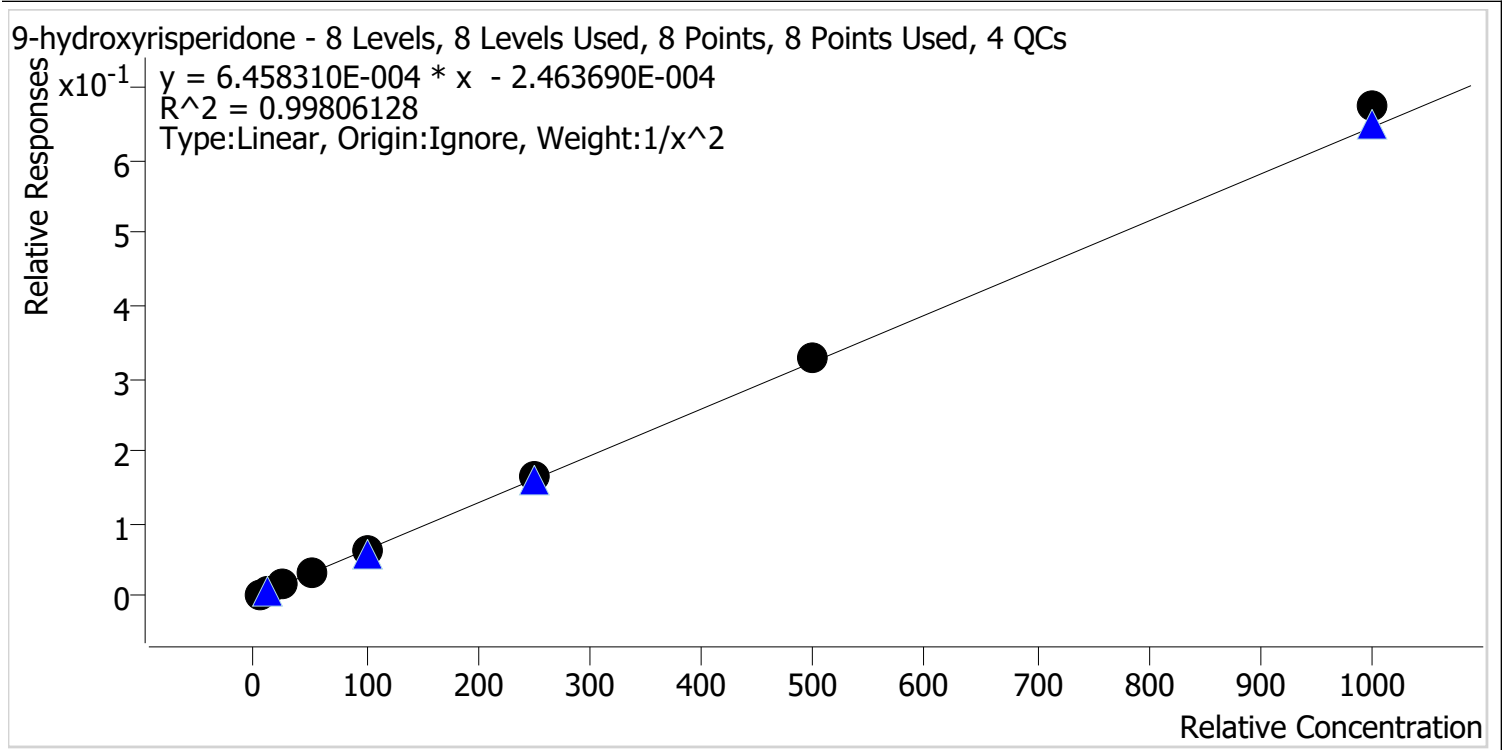


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.7
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	21.8	87.1
p1 Cal 4-50ng	4	✓	50.0	44.7	89.5
p1 Cal 5-100ng	5	✓	100.0	93.5	93.5
p1 Cal 6-250ng	6	✓	250.0	269.4	107.7
p1 Cal 7-500ng	7	✓	500.0	593.3	118.7
p1 Cal 8-1000ng	8	✗	1000.0	1402.3	140.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte 9-hydroxyrisperidone **Internal Standard** 9-hydroxyrisperidone-D4



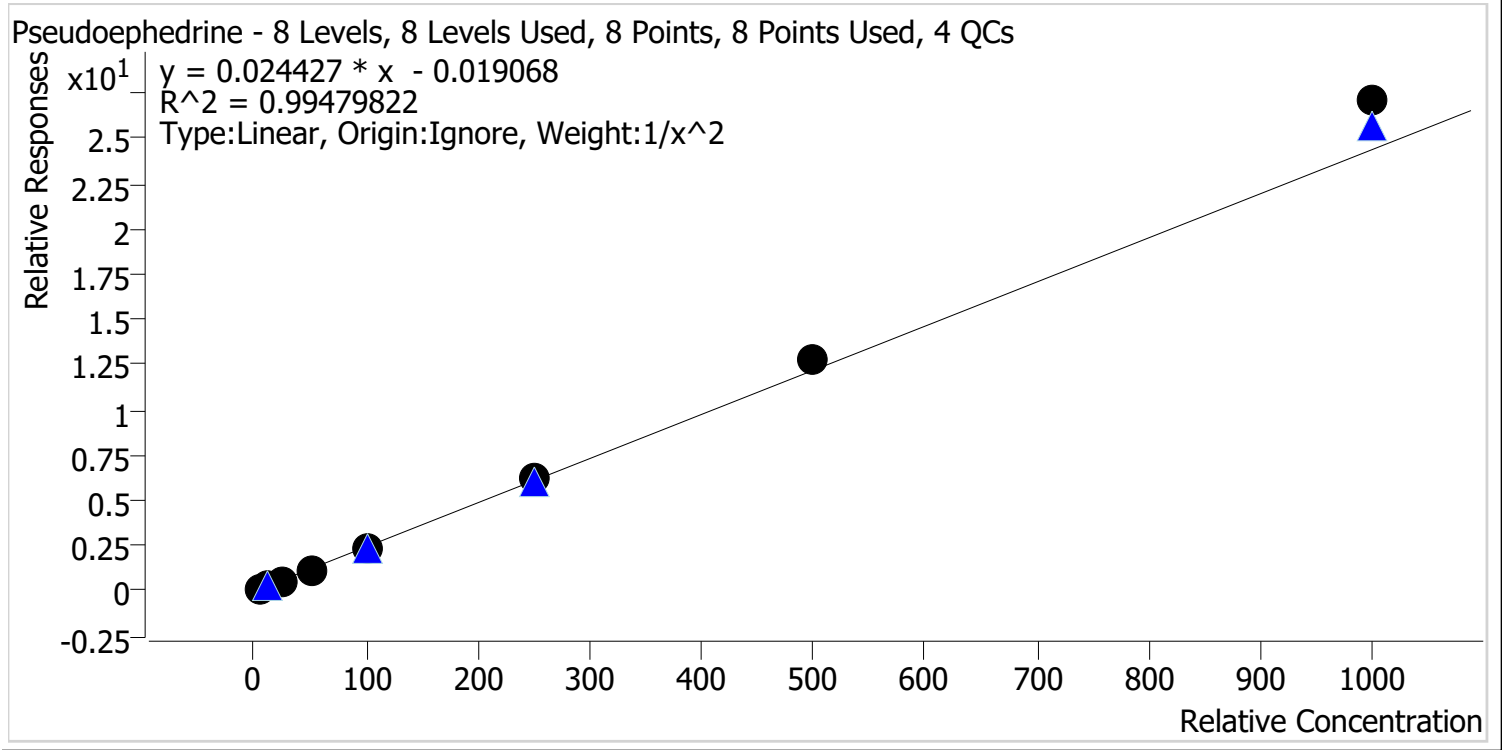
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.8
p1 Cal 2-10ng	2	✓	10.0	9.4	93.7
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	48.2	96.4
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	256.3	102.5
p1 Cal 7-500ng	7	✓	500.0	510.5	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1044.5	104.5

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



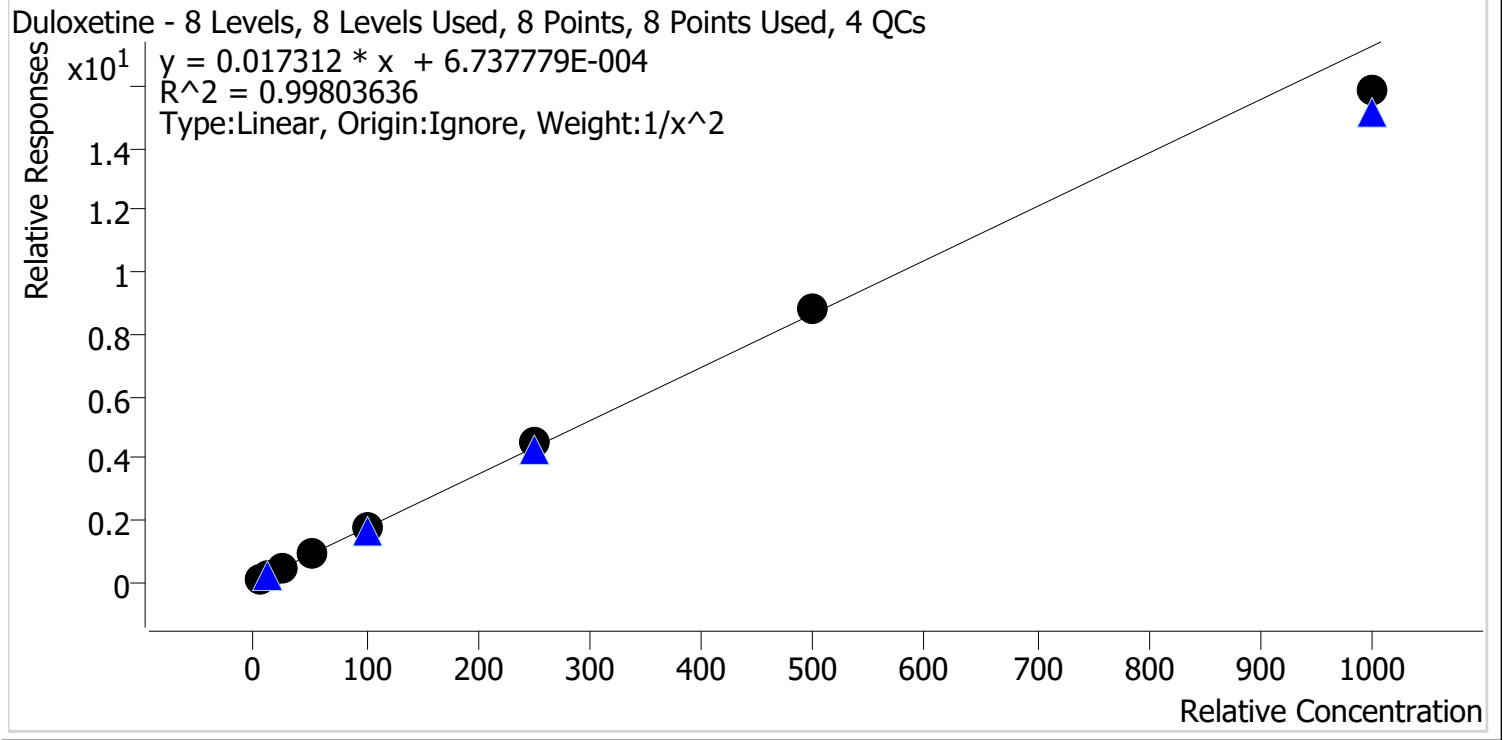
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.7
p1 Cal 2-10ng	2	✓	10.0	9.6	96.2
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.8
p1 Cal 4-50ng	4	✓	50.0	47.1	94.2
p1 Cal 5-100ng	5	✓	100.0	93.7	93.7
p1 Cal 6-250ng	6	✓	250.0	253.8	101.5
p1 Cal 7-500ng	7	✓	500.0	523.7	104.7
p1 Cal 8-1000ng	8	✓	1000.0	1111.0	111.1

9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Duloxetine **Internal Standard** Duloxetine-D3



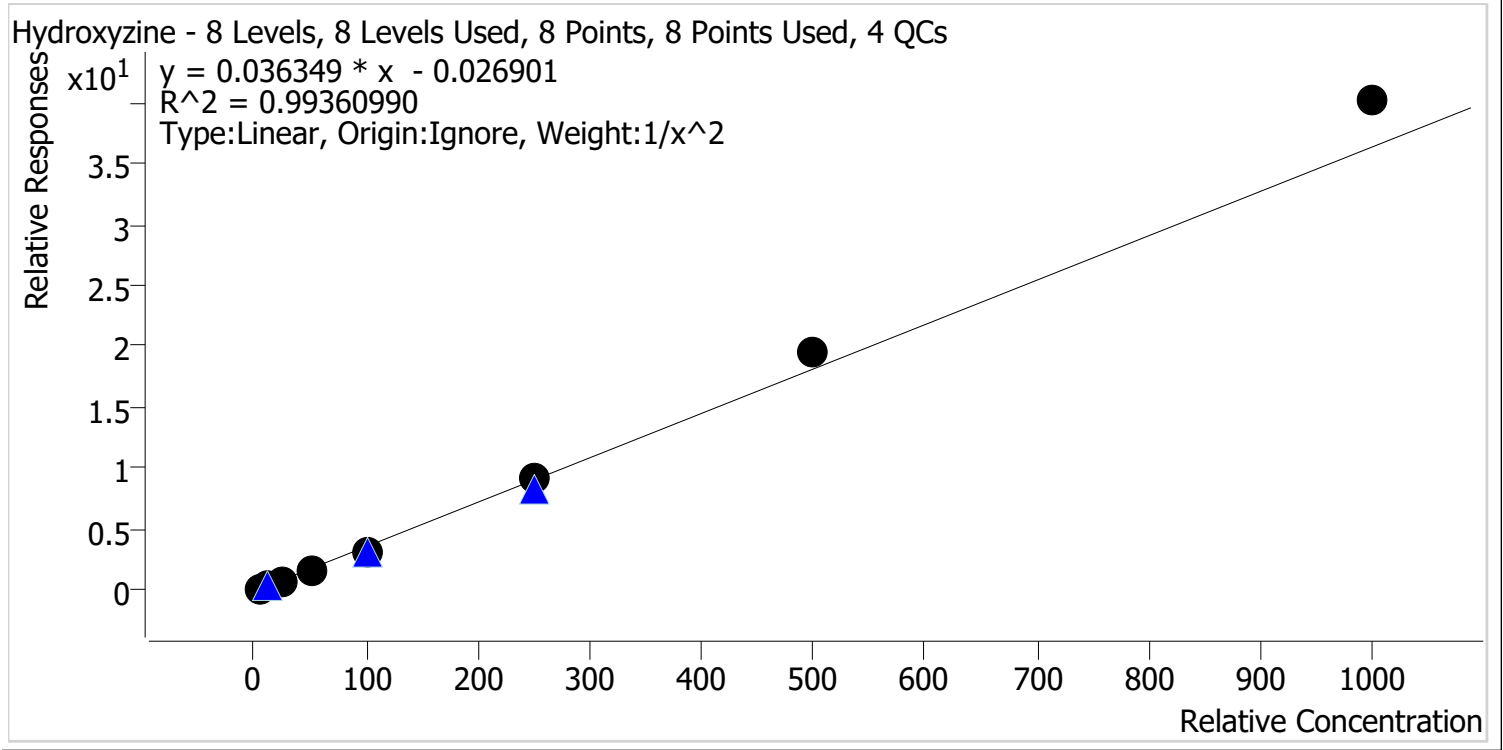
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	51.7	103.5
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	258.7	103.5
p1 Cal 7-500ng	7	✓	500.0	512.1	102.4
p1 Cal 8-1000ng	8	✓	1000.0	916.9	91.7

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Hydroxyzine **Internal Standard** Dextromethorphan-D3



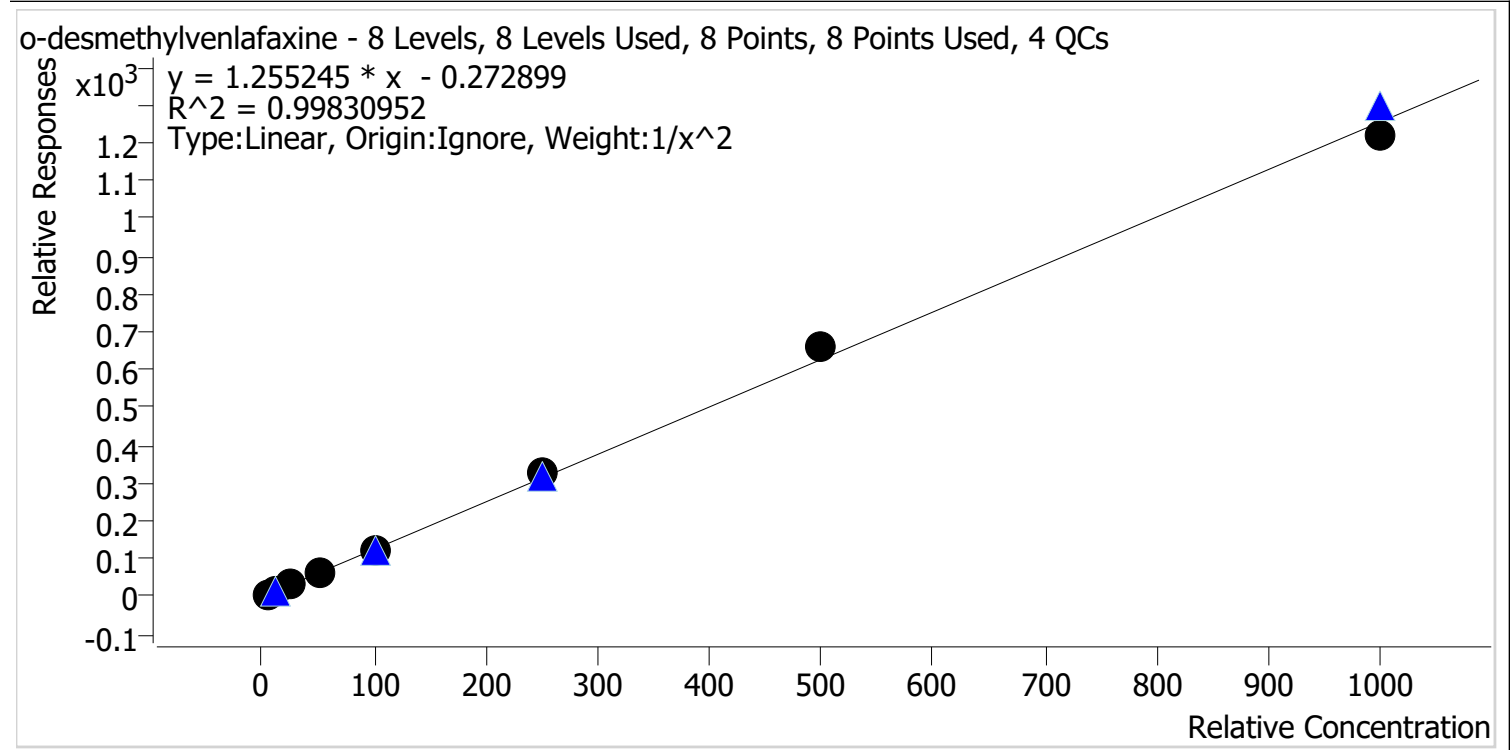
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.0
p1 Cal 2-10ng	2	✓	10.0	9.6	95.7
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.7
p1 Cal 4-50ng	4	✓	50.0	47.5	95.0
p1 Cal 5-100ng	5	✓	100.0	91.3	91.3
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	540.5	108.1
p1 Cal 8-1000ng	8	✓	1000.0	1104.5	110.4

2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte o-desmethylvenlafaxine **Internal Standard** o-desmethylvenlafaxine-D6



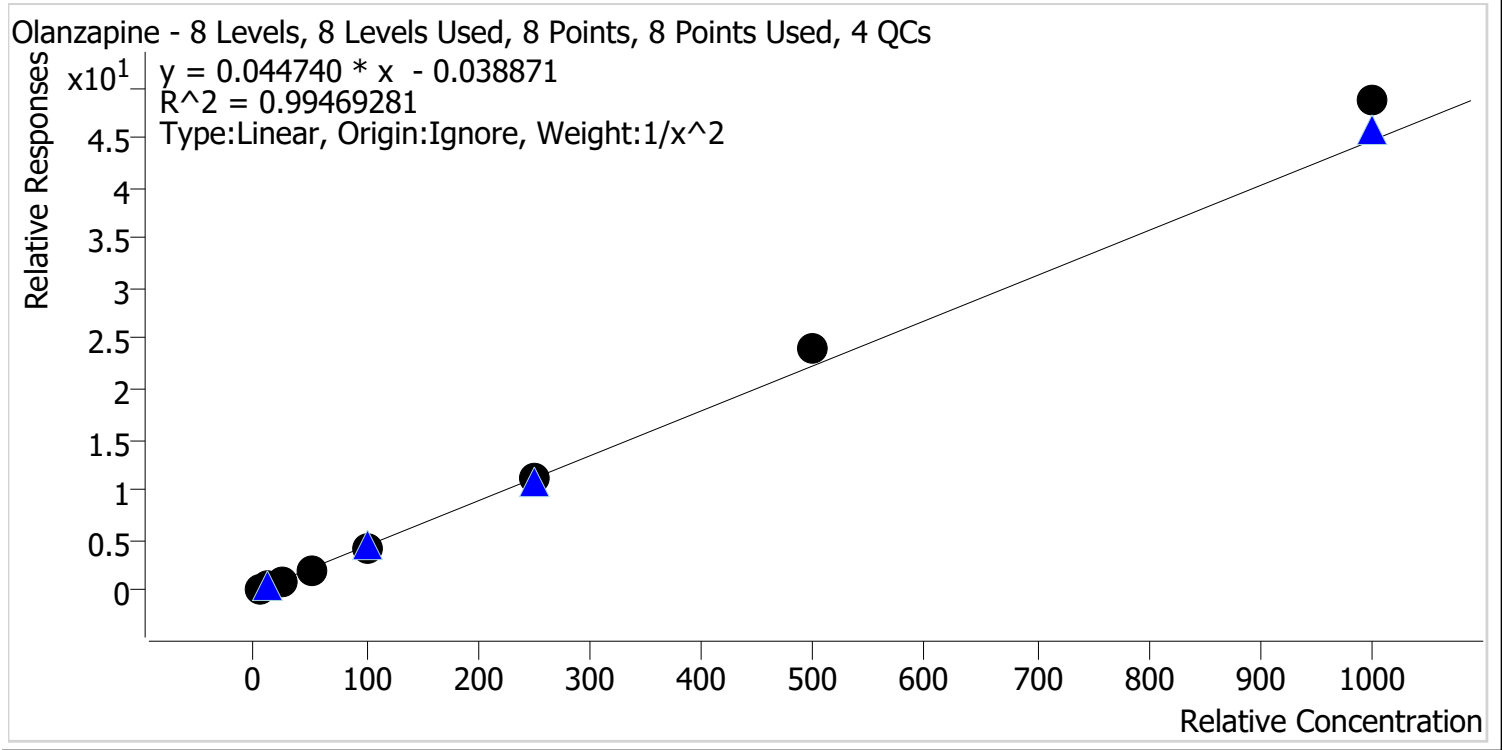
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	48.3	96.6
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	259.7	103.9
p1 Cal 7-500ng	7	✓	500.0	529.7	105.9
p1 Cal 8-1000ng	8	✓	1000.0	973.5	97.4

9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Olanzapine **Internal Standard** Olanzapine-D8



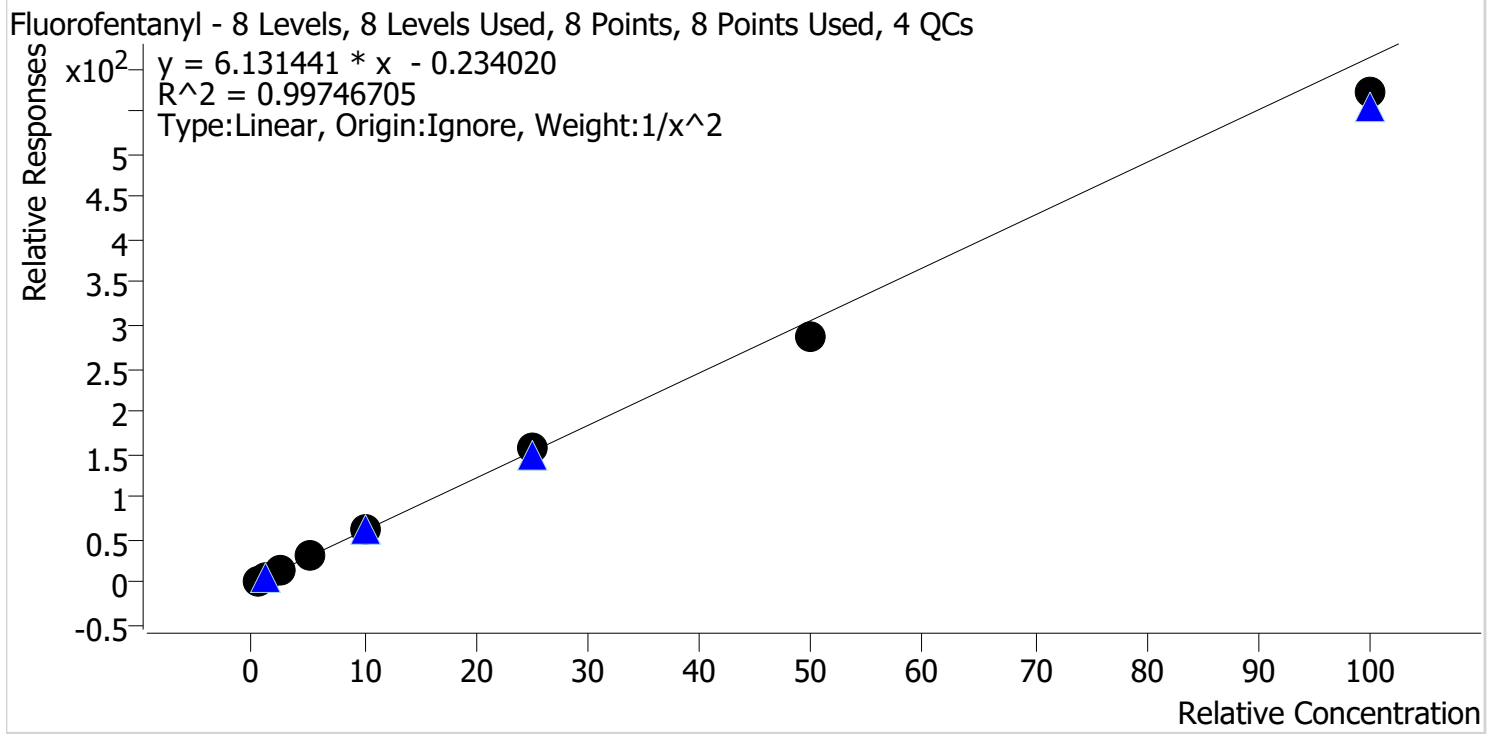
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.7
p1 Cal 2-10ng	2	✓	10.0	9.7	96.5
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.2
p1 Cal 4-50ng	4	✓	50.0	46.9	93.7
p1 Cal 5-100ng	5	✓	100.0	94.2	94.2
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	542.3	108.5
p1 Cal 8-1000ng	8	✓	1000.0	1088.4	108.8

2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Fluorofentanyl Internal Standard Fluorofentanyl-D5

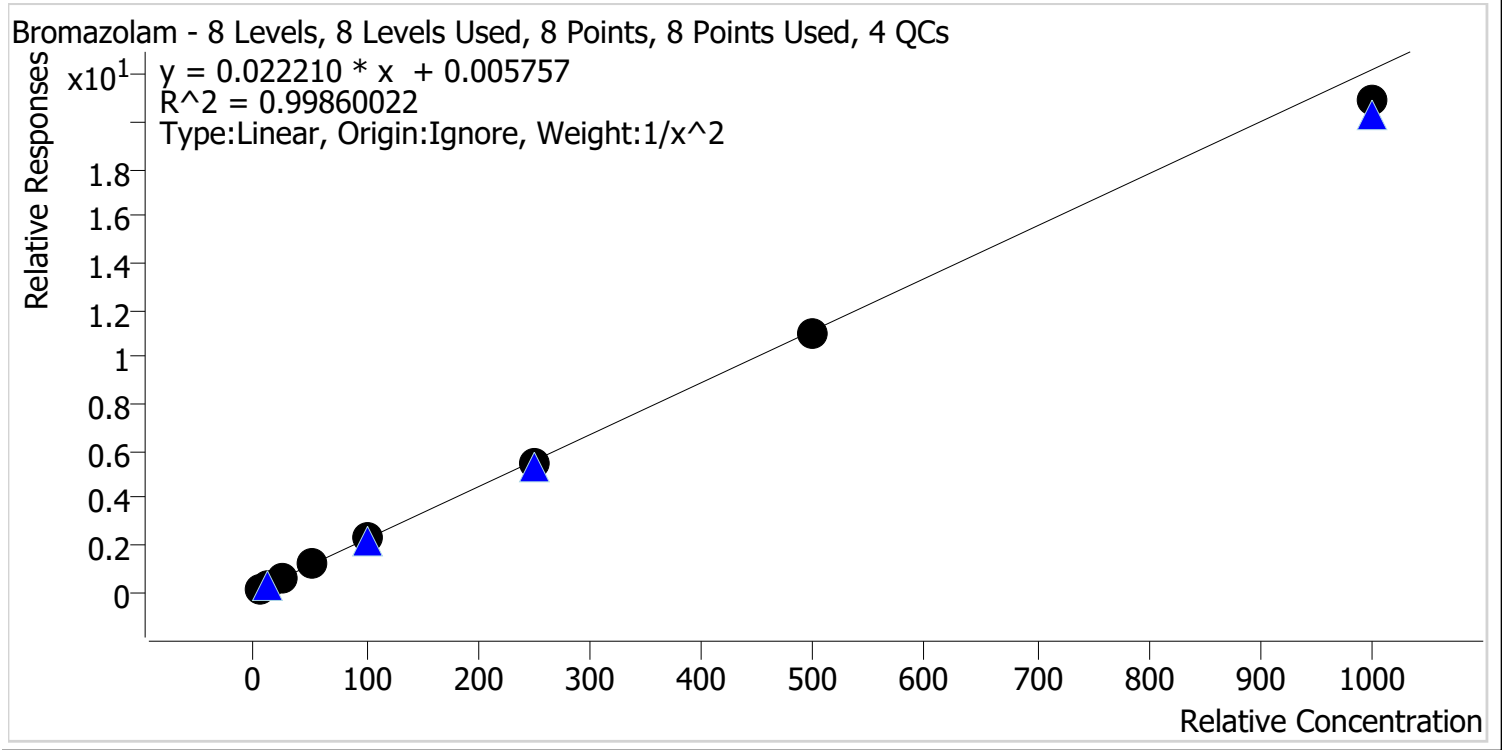


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	98.6
p1 Cal 2-10ng	2	✓	1.0	1.0	101.9
p1 Cal 3 -25ng	3	✓	2.5	2.5	99.8
p1 Cal 4-50ng	4	✓	5.0	5.1	102.6
p1 Cal 5-100ng	5	✓	10.0	10.5	105.4
p1 Cal 6-250ng	6	✓	25.0	26.0	104.0
p1 Cal 7-500ng	7	✓	50.0	47.2	94.4
p1 Cal 8-1000ng	8	✓	100.0	93.3	93.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Bromazolam **Internal Standard** Bromazolam-D5

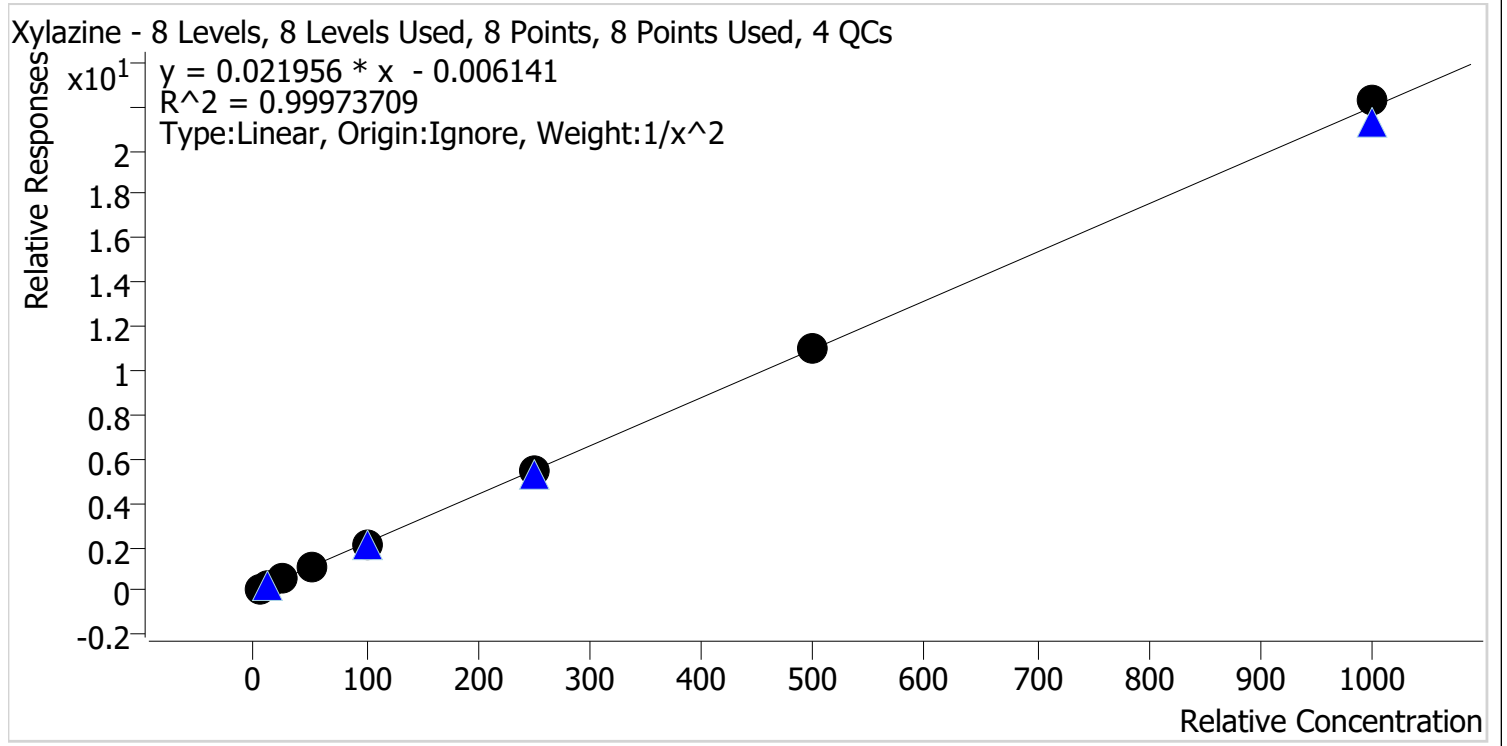


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.3	103.2
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	51.9	103.8
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	495.8	99.2
p1 Cal 8-1000ng	8	✓	1000.0	940.6	94.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Xylazine **Internal Standard** Xylanzine-D6

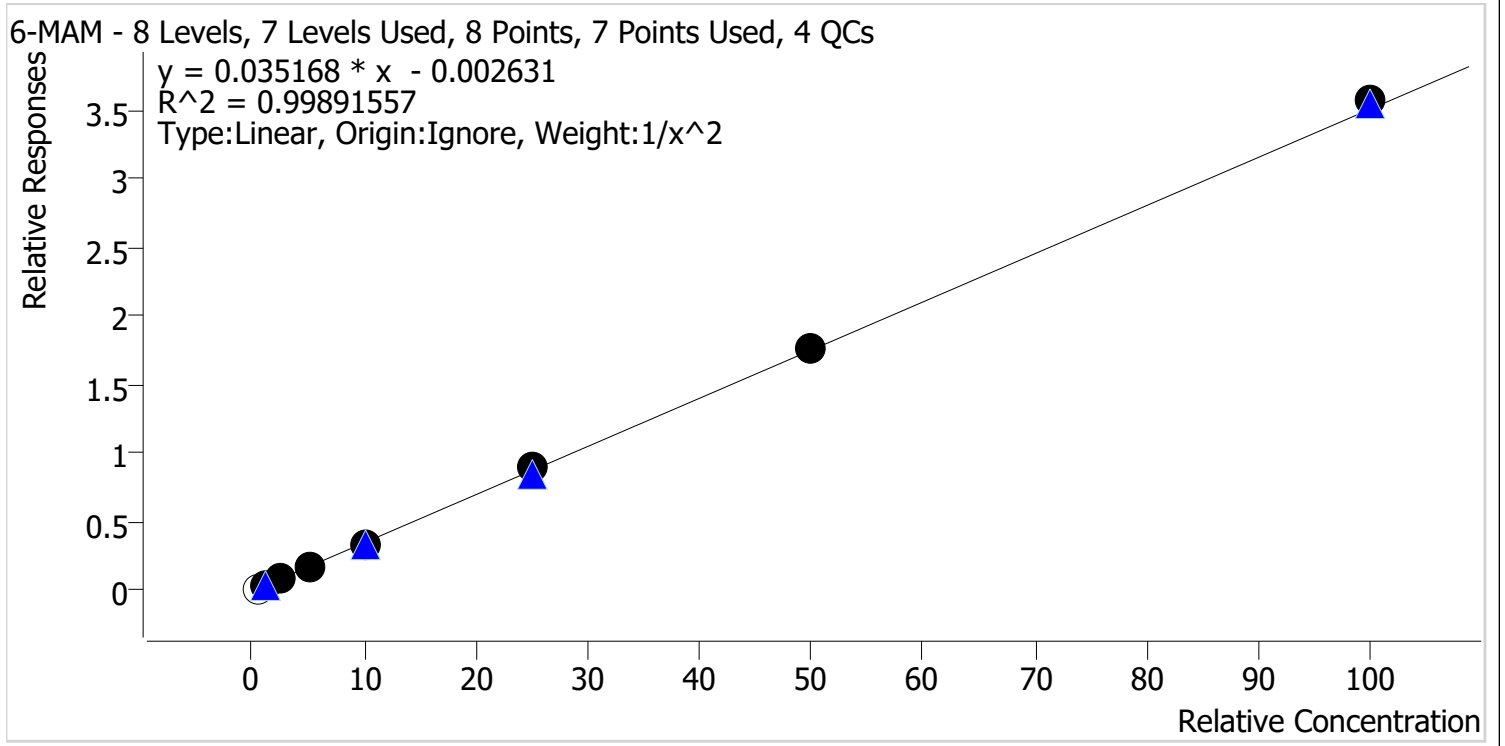


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	252.6	101.0
p1 Cal 7-500ng	7	✓	500.0	503.4	100.7
p1 Cal 8-1000ng	8	✓	1000.0	1013.4	101.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.5	94.5
p1 Cal 2-10ng	2	✓	1.0	1.0	100.8
p1 Cal 3 -25ng	3	✓	2.5	2.5	100.9
p1 Cal 4-50ng	4	✓	5.0	4.7	94.3
p1 Cal 5-100ng	5	✓	10.0	9.8	98.5
p1 Cal 6-250ng	6	✓	25.0	25.7	102.7
p1 Cal 7-500ng	7	✓	50.0	50.5	101.0
p1 Cal 8-1000ng	8	✓	100.0	101.8	101.8

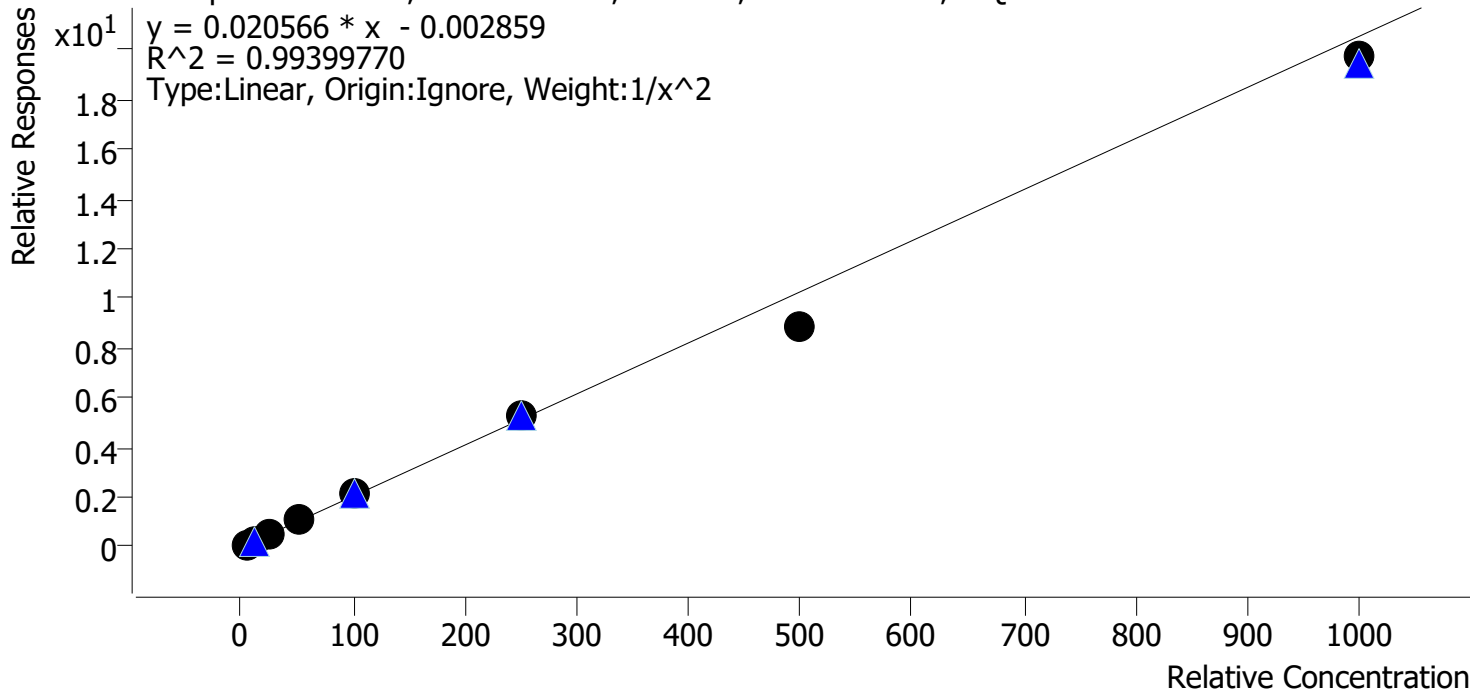
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

7-aminoclonazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



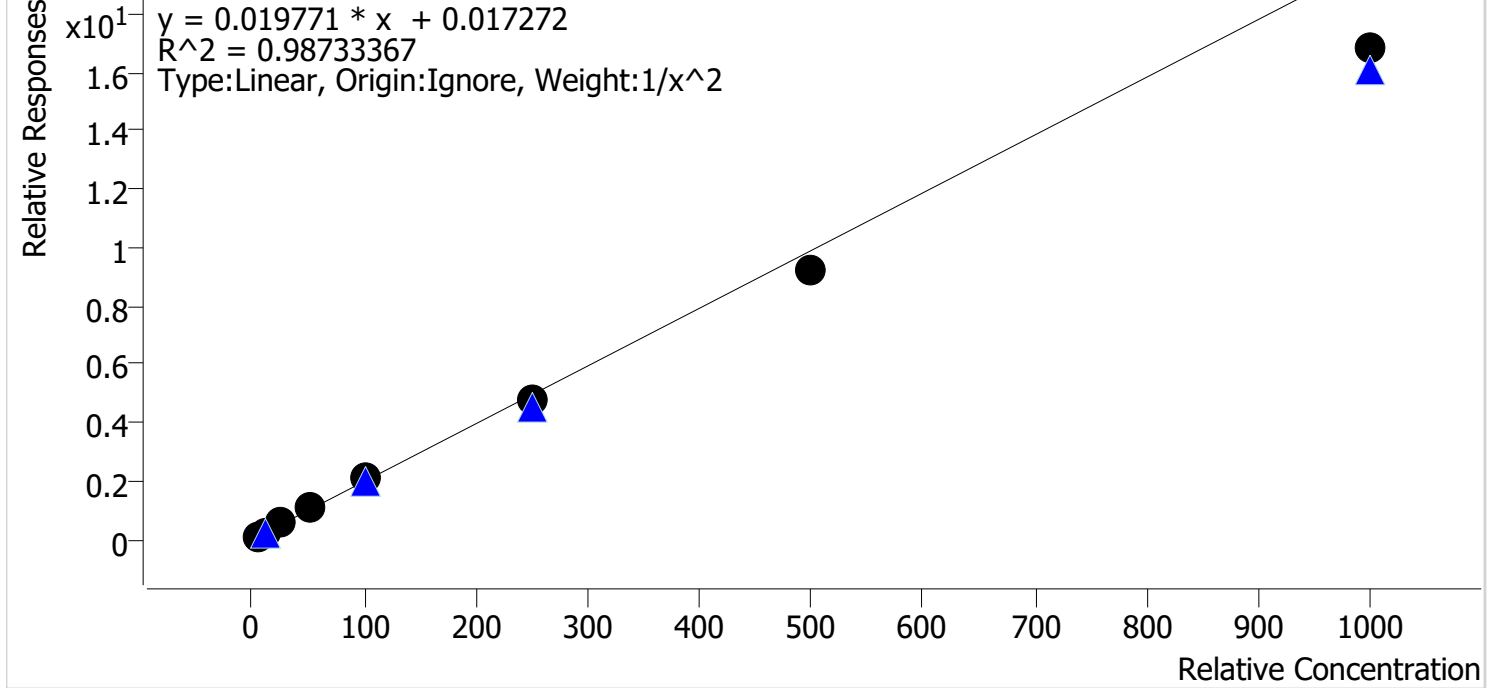
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	54.4	108.8
p1 Cal 5-100ng	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	257.3	102.9
p1 Cal 7-500ng	7	✓	500.0	433.4	86.7
p1 Cal 8-1000ng	8	✓	1000.0	960.3	96.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5

a-hydroxyalprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	27.0	107.9
p1 Cal 4-50ng	4	✓	50.0	57.6	115.1
p1 Cal 5-100ng	5	✓	100.0	108.6	108.6
p1 Cal 6-250ng	6	✓	250.0	239.2	95.7
p1 Cal 7-500ng	7	✓	500.0	462.9	92.6
p1 Cal 8-1000ng	8	✓	1000.0	850.2	85.0

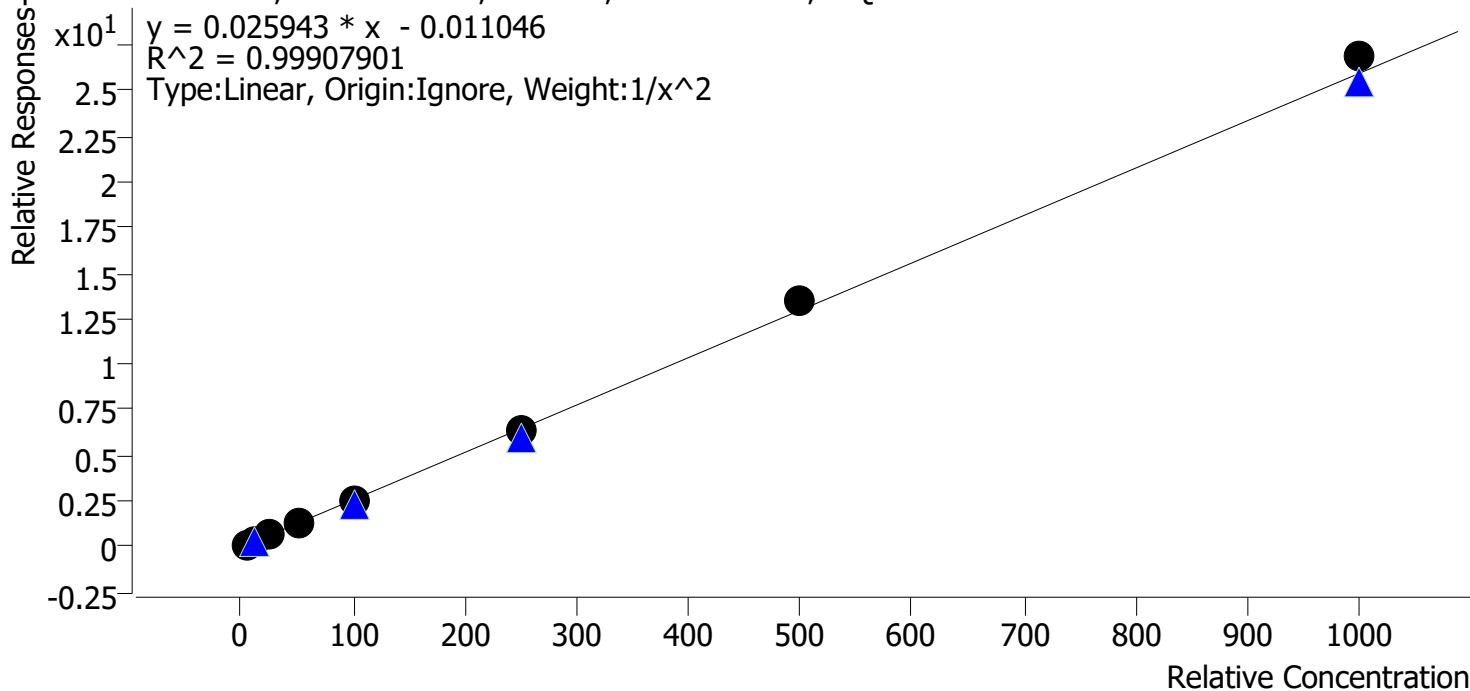
29



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-D8

alpha-PVP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.4
p1 Cal 4-50ng	4	✓	50.0	49.2	98.5
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	248.6	99.4
p1 Cal 7-500ng	7	✓	500.0	518.3	103.7
p1 Cal 8-1000ng	8	✓	1000.0	1035.4	103.5

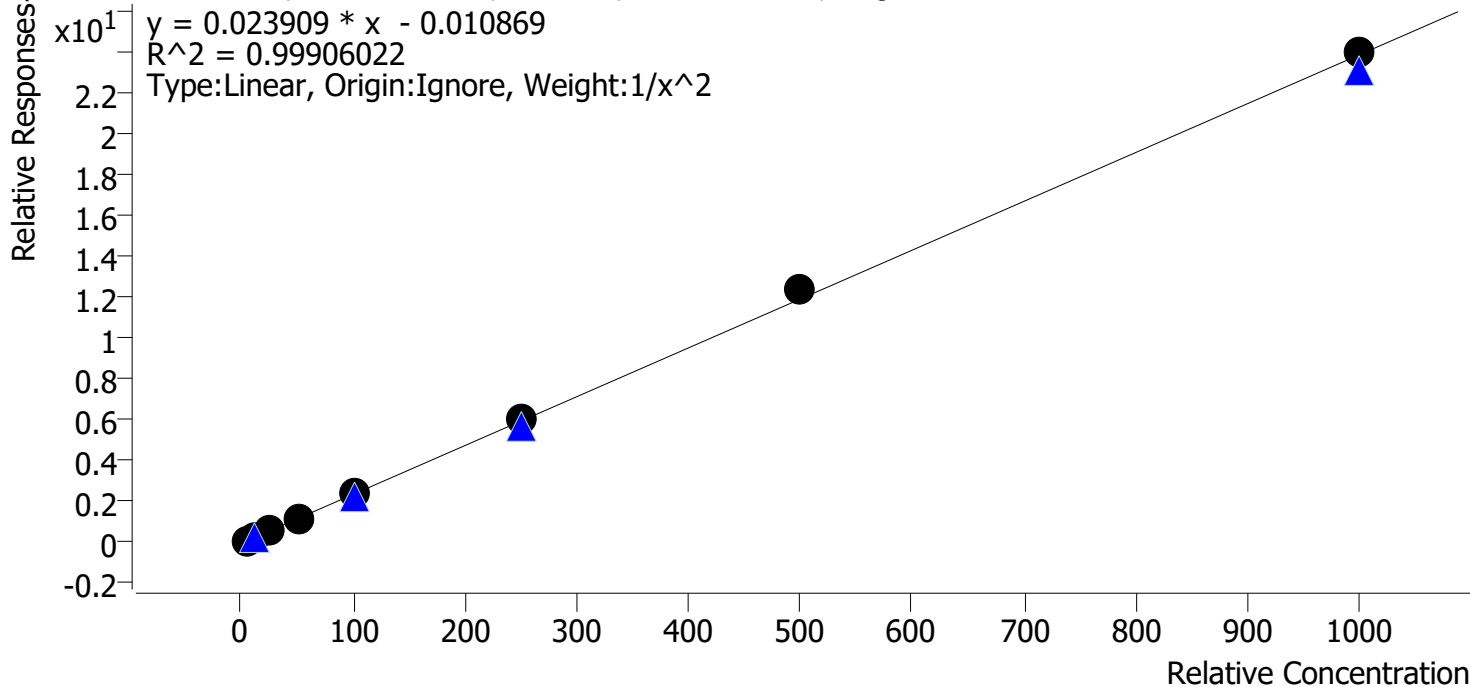
2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

Alprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	49.1	98.1
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	255.3	102.1
p1 Cal 7-500ng	7	✓	500.0	521.4	104.3
p1 Cal 8-1000ng	8	✓	1000.0	1004.7	100.5

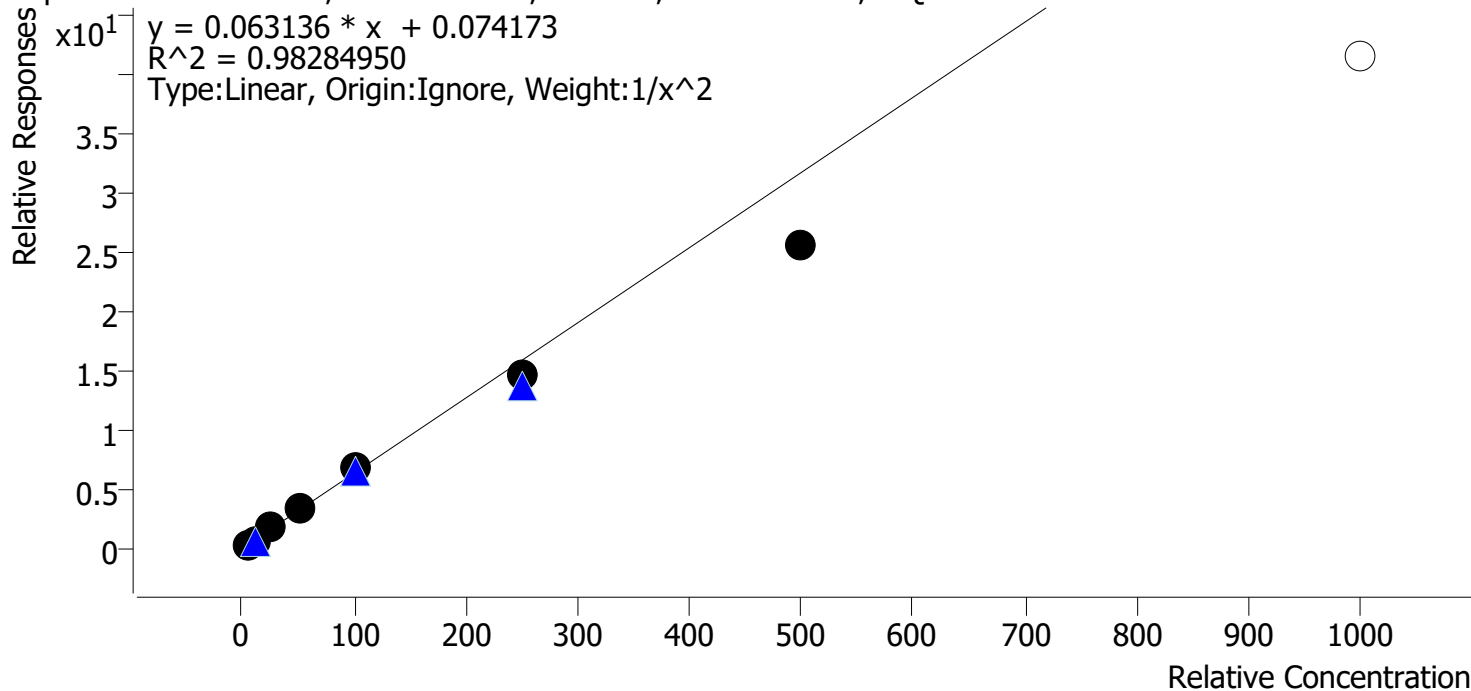
CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

Amphetamine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



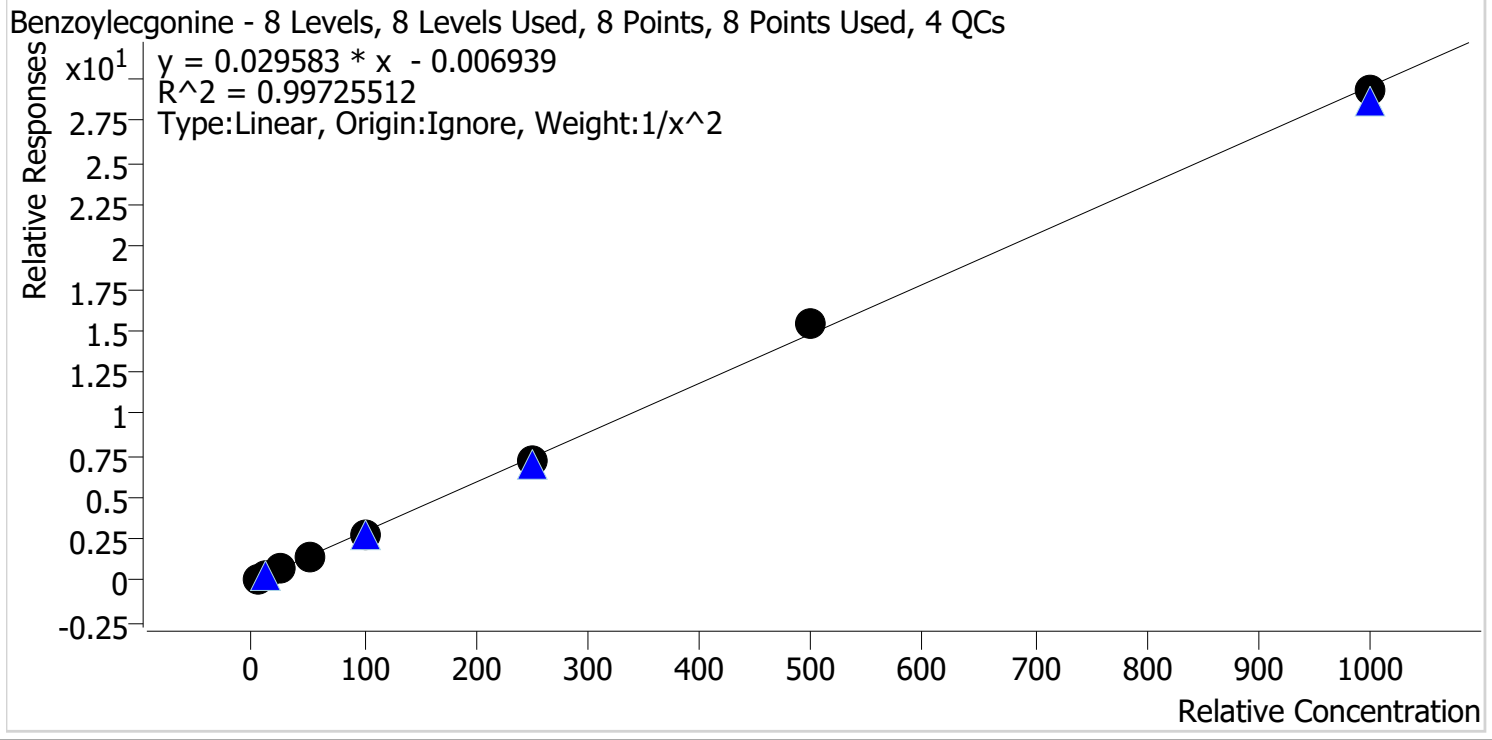
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.9
p1 Cal 2-10ng	2	✓	10.0	10.6	106.0
p1 Cal 3 -25ng	3	✓	25.0	27.9	111.4
p1 Cal 4-50ng	4	✓	50.0	54.2	108.5
p1 Cal 5-100ng	5	✓	100.0	106.9	106.9
p1 Cal 6-250ng	6	✓	250.0	231.4	92.6
p1 Cal 7-500ng	7	✓	500.0	403.8	80.8
p1 Cal 8-1000ng	8	✗	1000.0	654.2	65.4

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



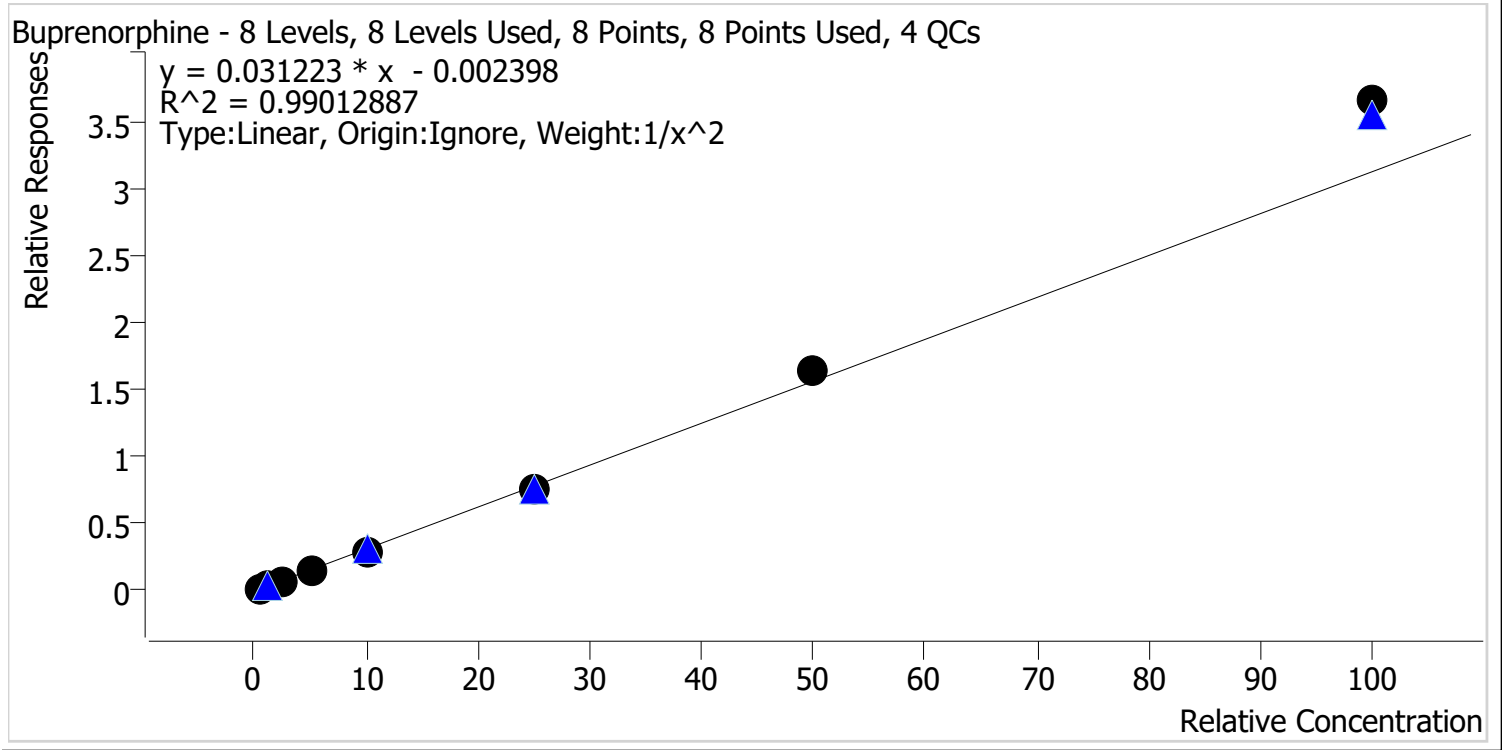
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.2
p1 Cal 4-50ng	4	✓	50.0	50.0	100.1
p1 Cal 5-100ng	5	✓	100.0	92.6	92.6
p1 Cal 6-250ng	6	✓	250.0	245.6	98.2
p1 Cal 7-500ng	7	✓	500.0	519.8	104.0
p1 Cal 8-1000ng	8	✓	1000.0	991.4	99.1

2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4



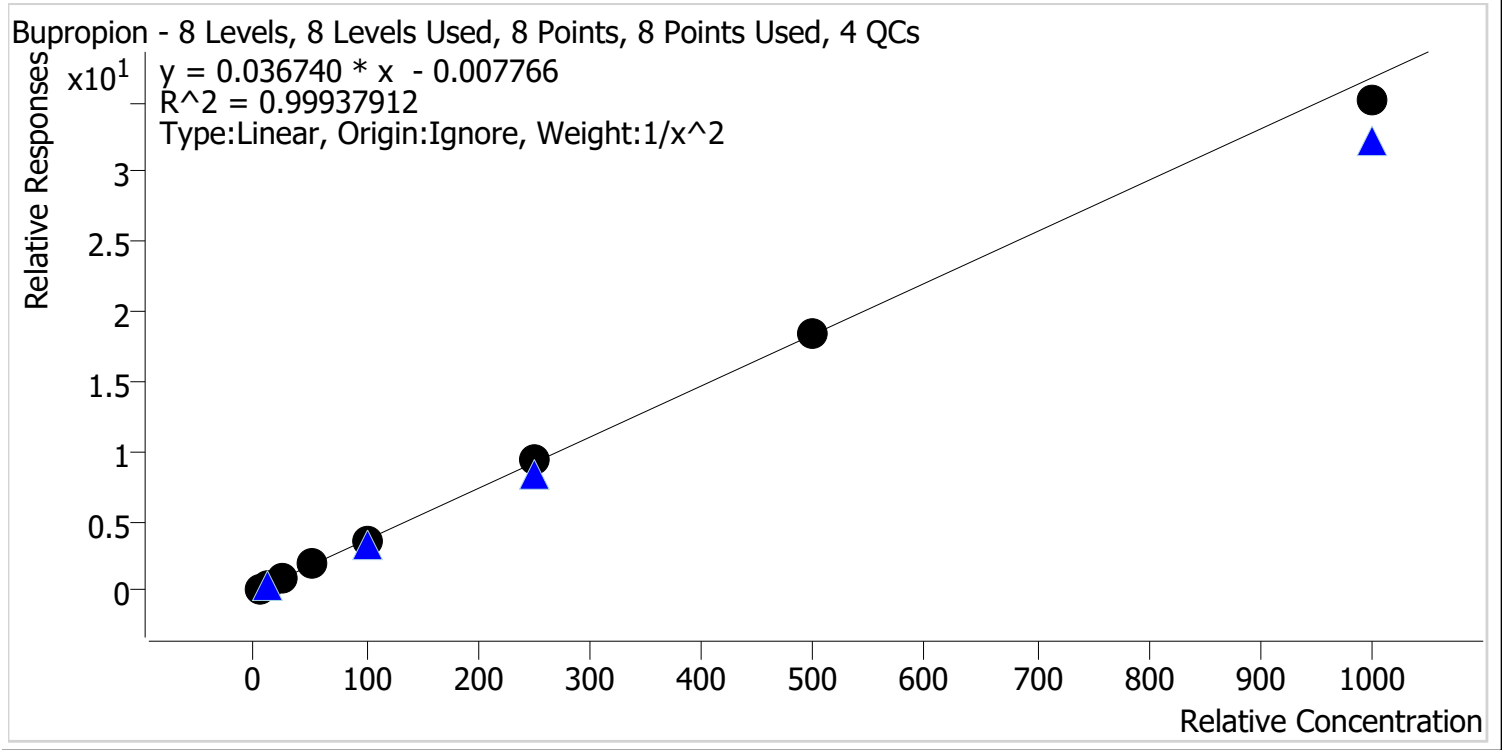
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	105.9
p1 Cal 2-10ng	2	✓	1.0	0.9	92.1
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.4
p1 Cal 4-50ng	4	✓	5.0	4.8	96.7
p1 Cal 5-100ng	5	✓	10.0	9.3	93.0
p1 Cal 6-250ng	6	✓	25.0	24.2	96.8
p1 Cal 7-500ng	7	✓	50.0	52.6	105.1
p1 Cal 8-1000ng	8	✓	100.0	117.0	117.0

2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9



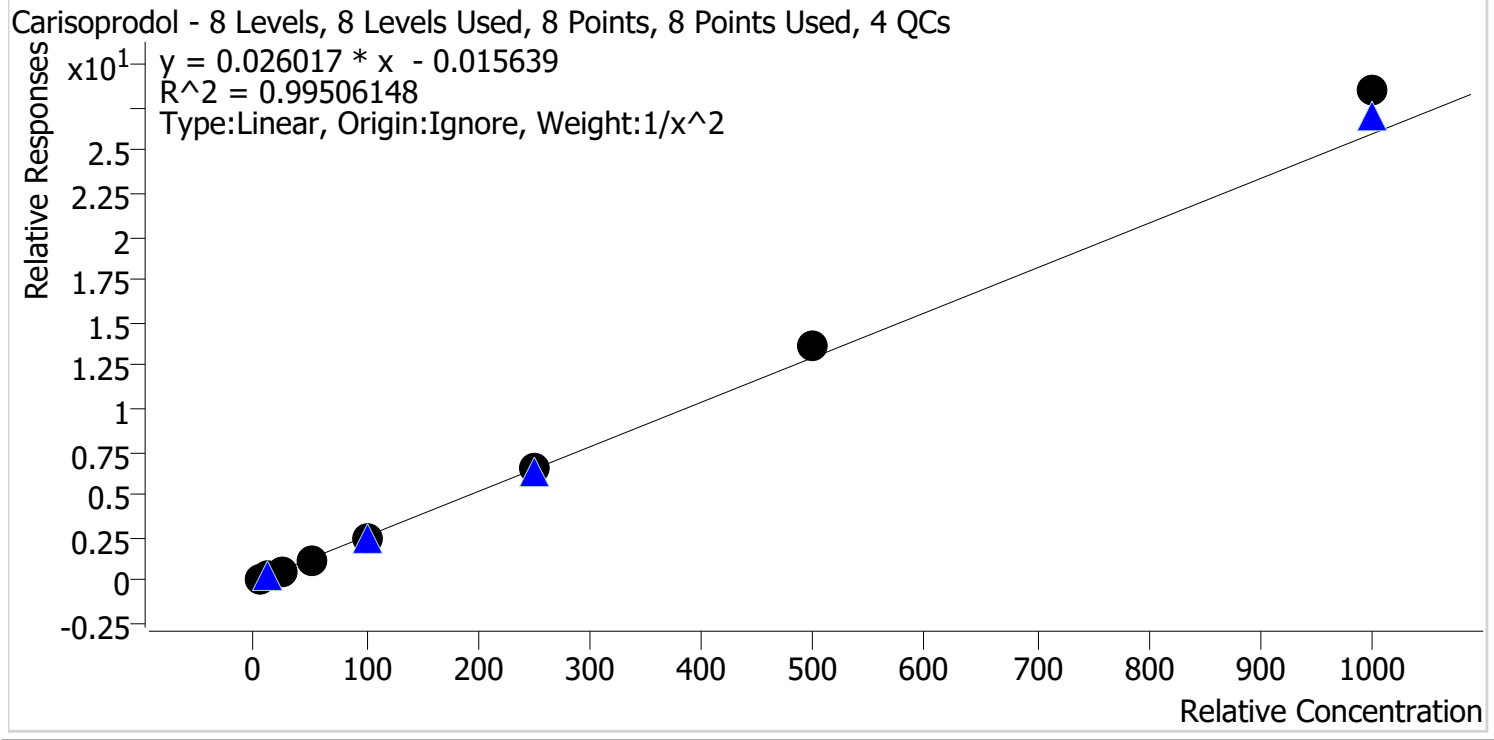
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.2
p1 Cal 4-50ng	4	✓	50.0	51.4	102.7
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	254.8	101.9
p1 Cal 7-500ng	7	✓	500.0	503.8	100.8
p1 Cal 8-1000ng	8	✓	1000.0	955.4	95.5

2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7



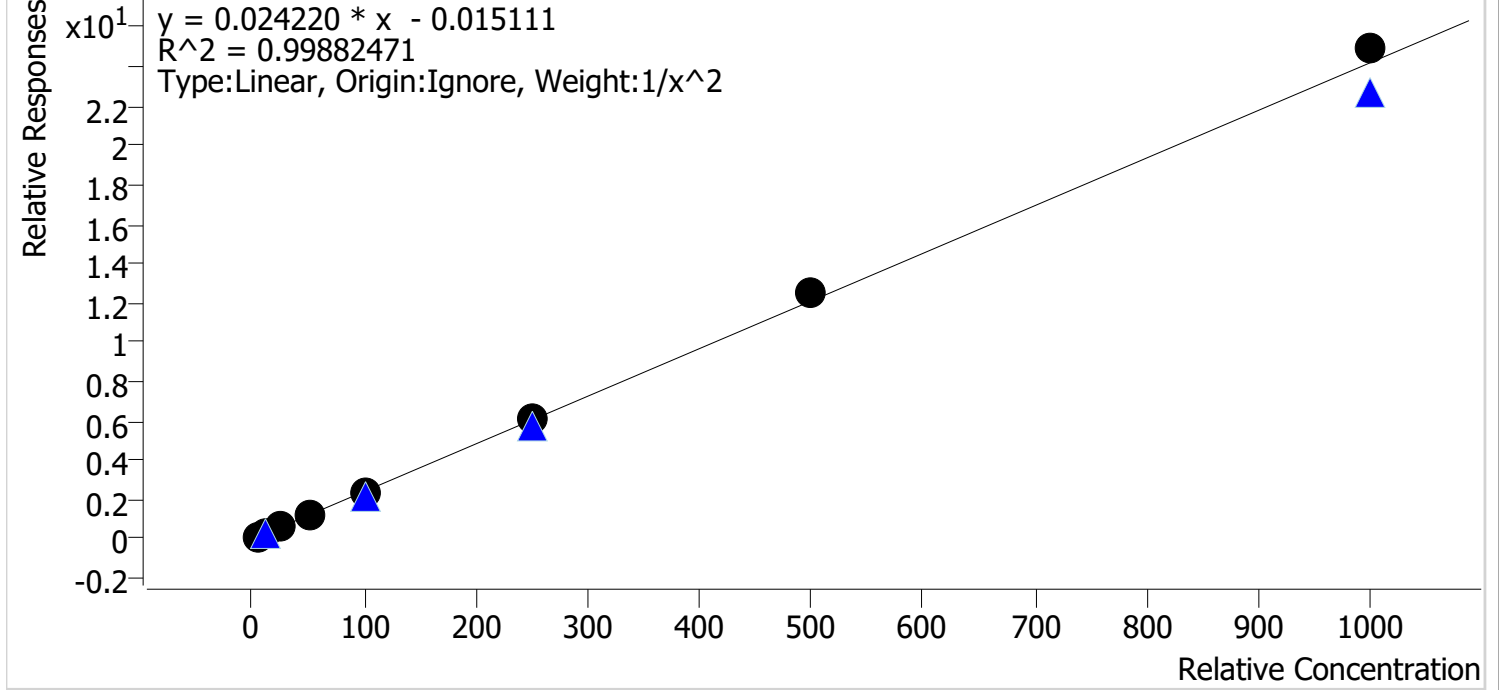
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.4
p1 Cal 2-10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.4
p1 Cal 4-50ng	4	✓	50.0	46.6	93.2
p1 Cal 5-100ng	5	✓	100.0	93.7	93.7
p1 Cal 6-250ng	6	✓	250.0	255.8	102.3
p1 Cal 7-500ng	7	✓	500.0	528.3	105.7
p1 Cal 8-1000ng	8	✓	1000.0	1096.8	109.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

Citalopram - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

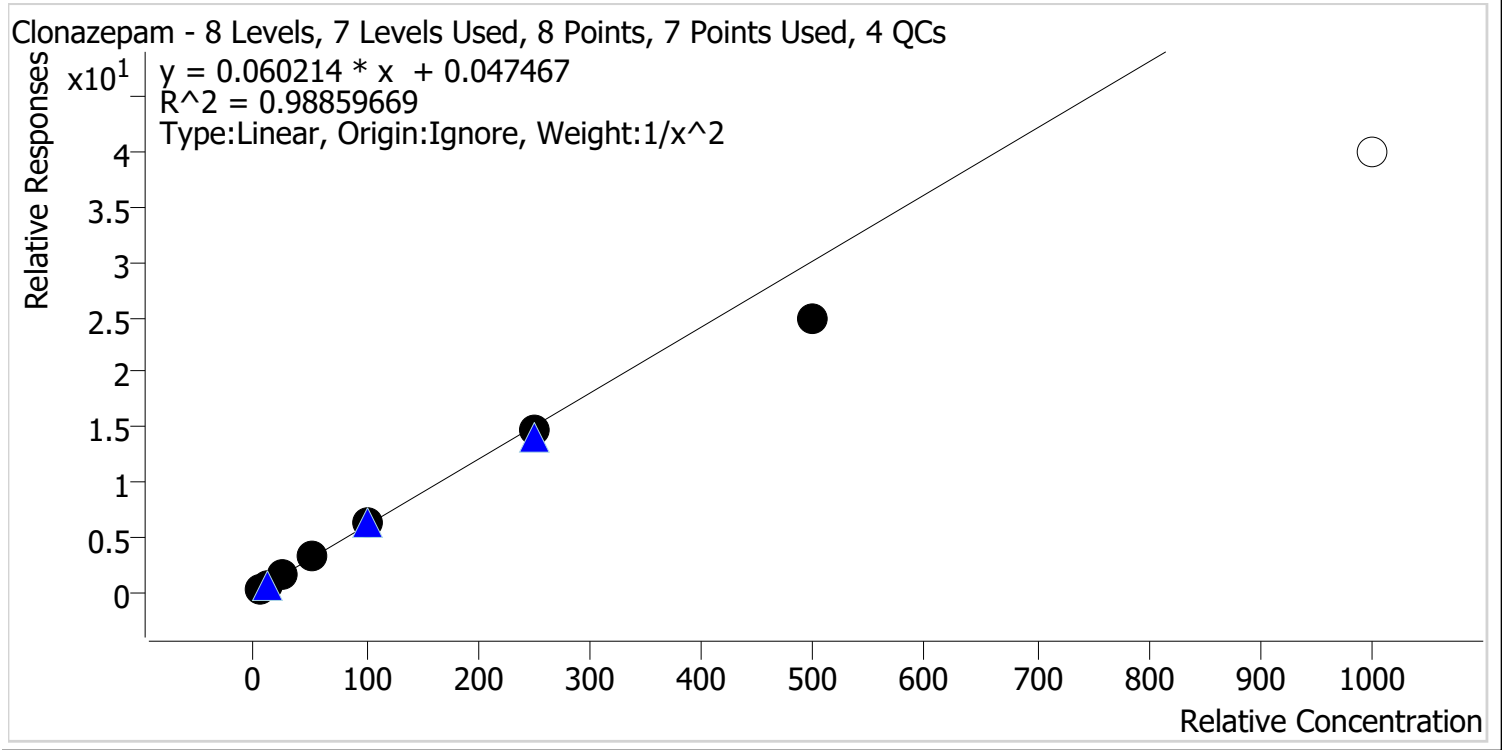


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.1
p1 Cal 4-50ng	4	✓	50.0	49.1	98.2
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	252.6	101.0
p1 Cal 7-500ng	7	✓	500.0	519.4	103.9
p1 Cal 8-1000ng	8	✓	1000.0	1029.7	103.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4



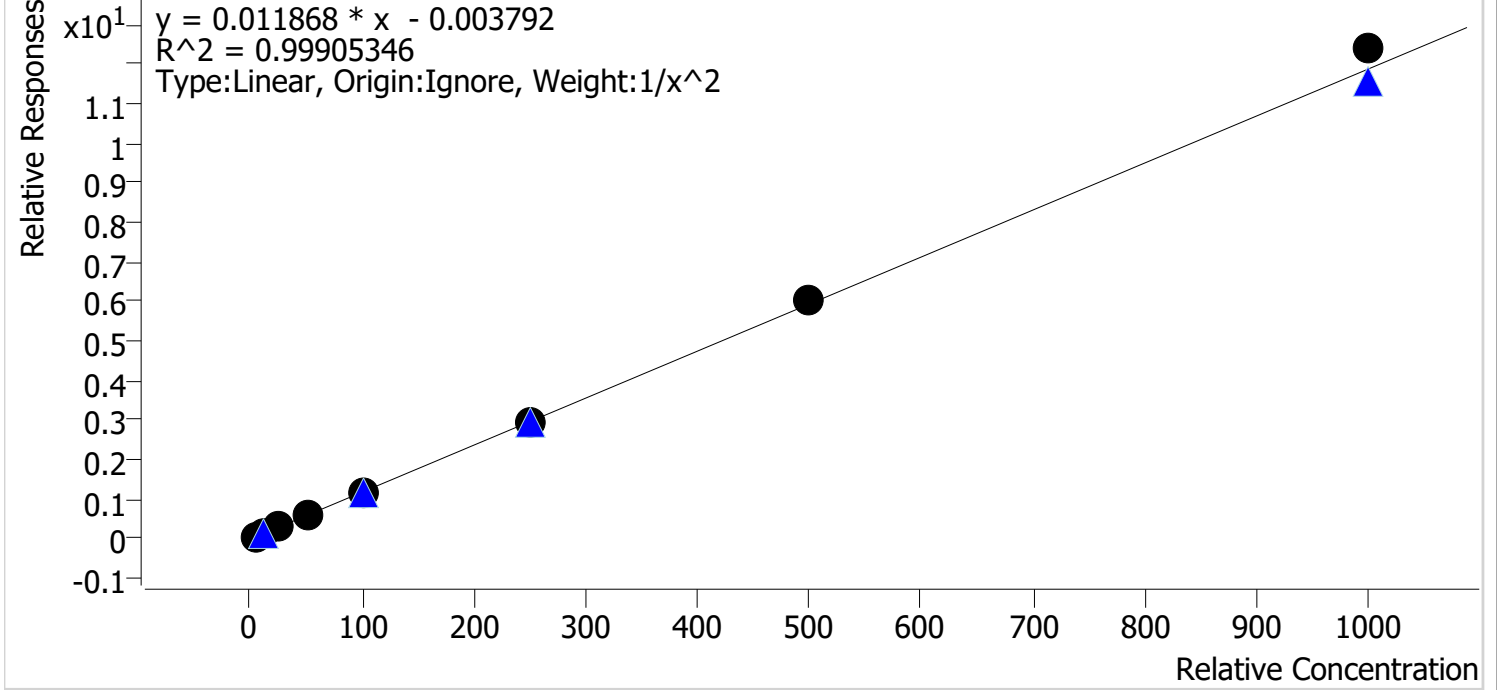
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.0
p1 Cal 4-50ng	4	✓	50.0	54.5	109.1
p1 Cal 5-100ng	5	✓	100.0	104.6	104.6
p1 Cal 6-250ng	6	✓	250.0	242.1	96.8
p1 Cal 7-500ng	7	✓	500.0	414.8	83.0
p1 Cal 8-1000ng	8	✗	1000.0	666.0	66.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-D3

Cocaine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



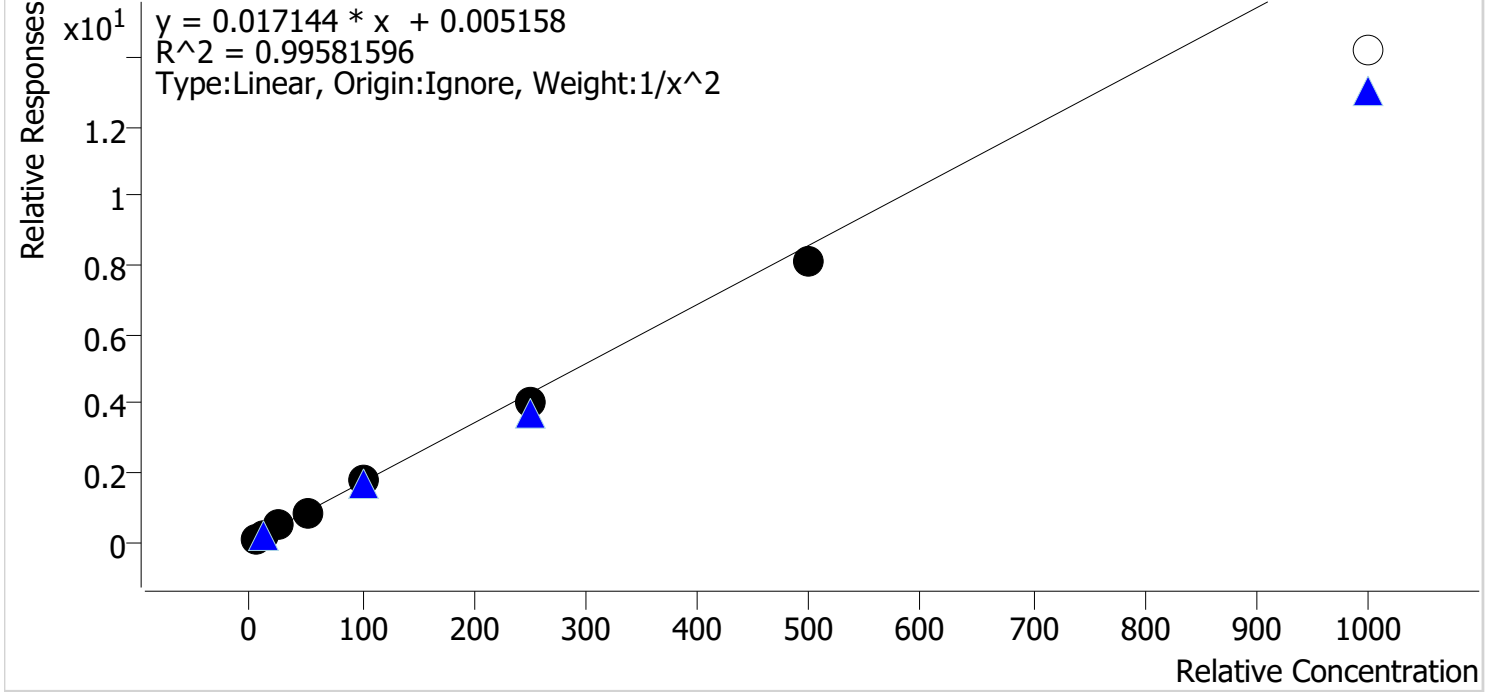
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.6	96.0
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.8
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	251.1	100.4
p1 Cal 7-500ng	7	✓	500.0	505.6	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1043.5	104.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

Codeine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

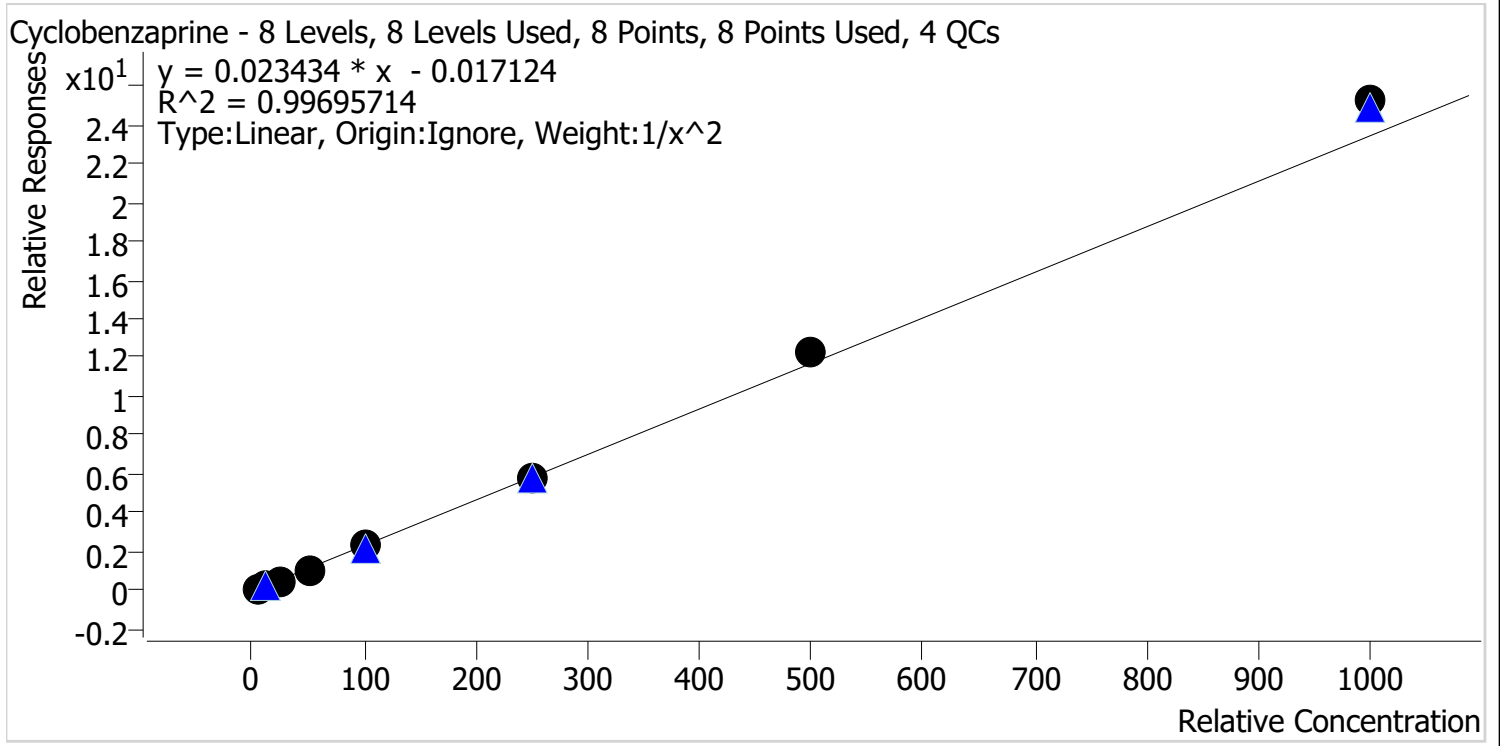


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.3	103.3
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.3
p1 Cal 4-50ng	4	✓	50.0	50.6	101.1
p1 Cal 5-100ng	5	✓	100.0	104.4	104.4
p1 Cal 6-250ng	6	✓	250.0	232.2	92.9
p1 Cal 7-500ng	7	✓	500.0	471.1	94.2
p1 Cal 8-1000ng	8	✗	1000.0	828.0	82.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3



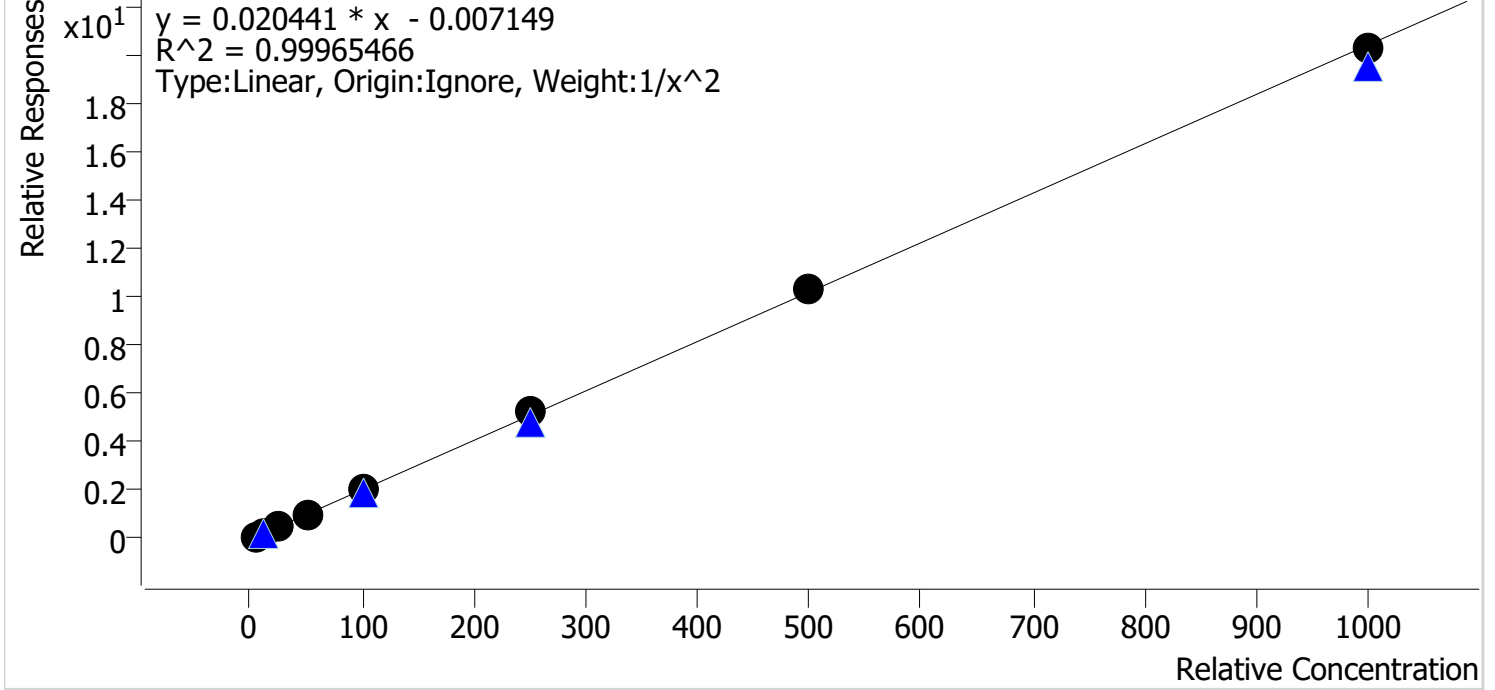
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2-10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.7
p1 Cal 4-50ng	4	✓	50.0	47.2	94.5
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	247.9	99.1
p1 Cal 7-500ng	7	✓	500.0	523.8	104.8
p1 Cal 8-1000ng	8	✓	1000.0	1077.2	107.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

Dextromethorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



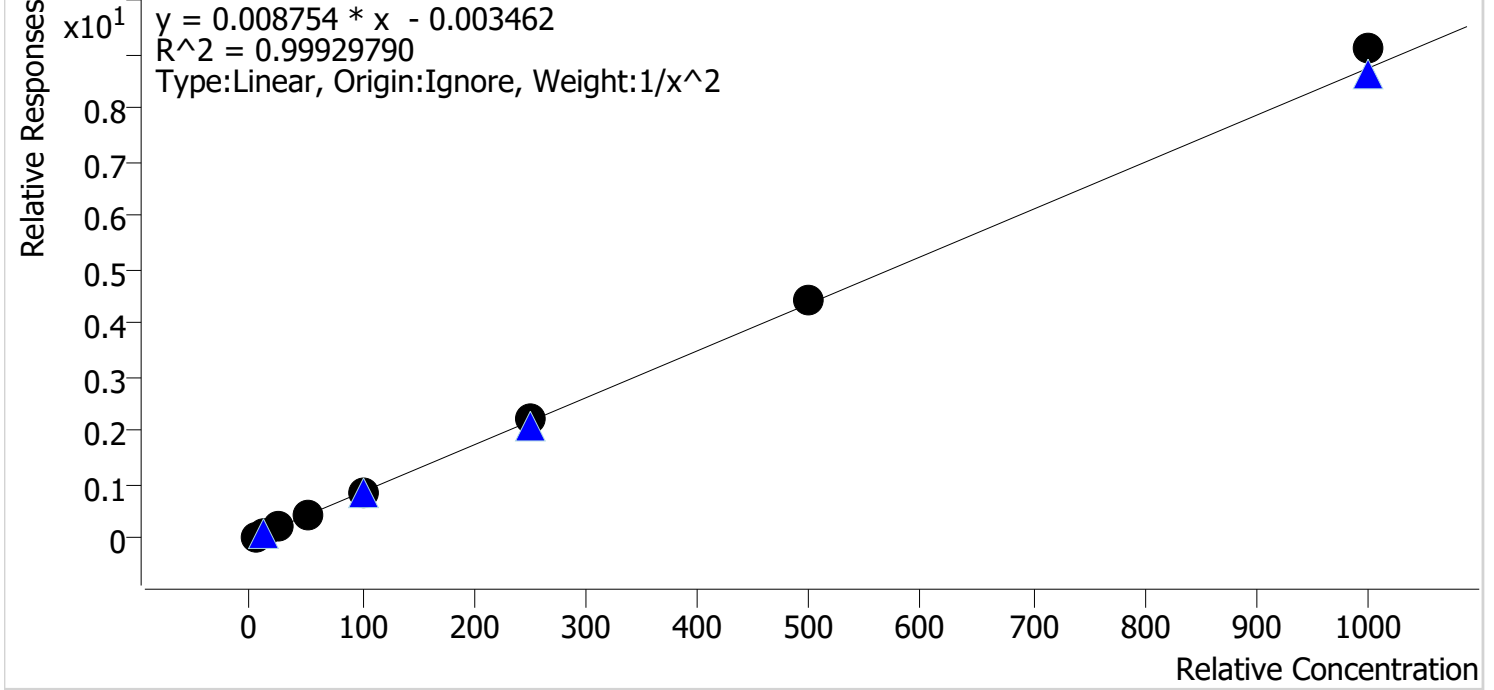
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	255.1	102.0
p1 Cal 7-500ng	7	✓	500.0	507.9	101.6
p1 Cal 8-1000ng	8	✓	1000.0	992.7	99.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

Dextrorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

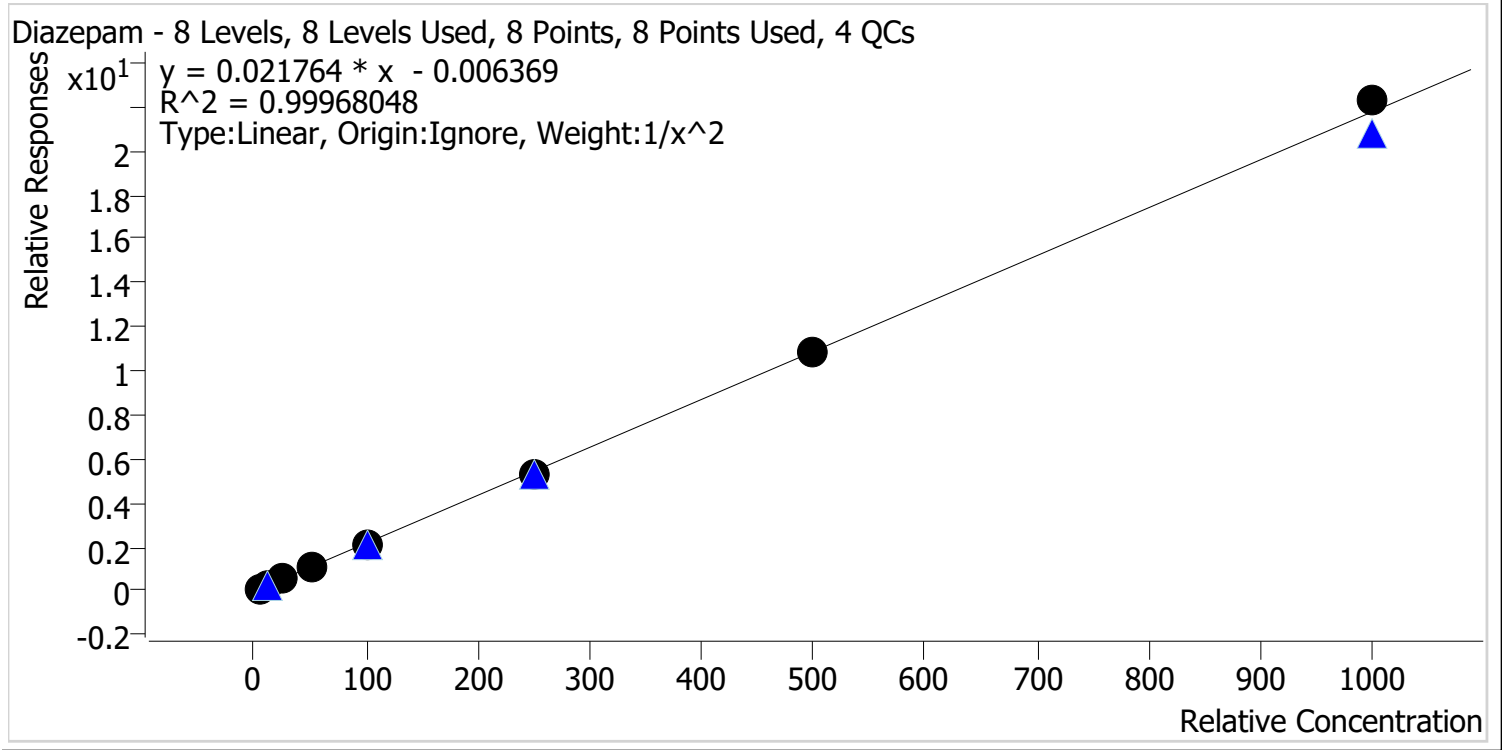


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	48.6	97.3
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	505.5	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1041.6	104.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5



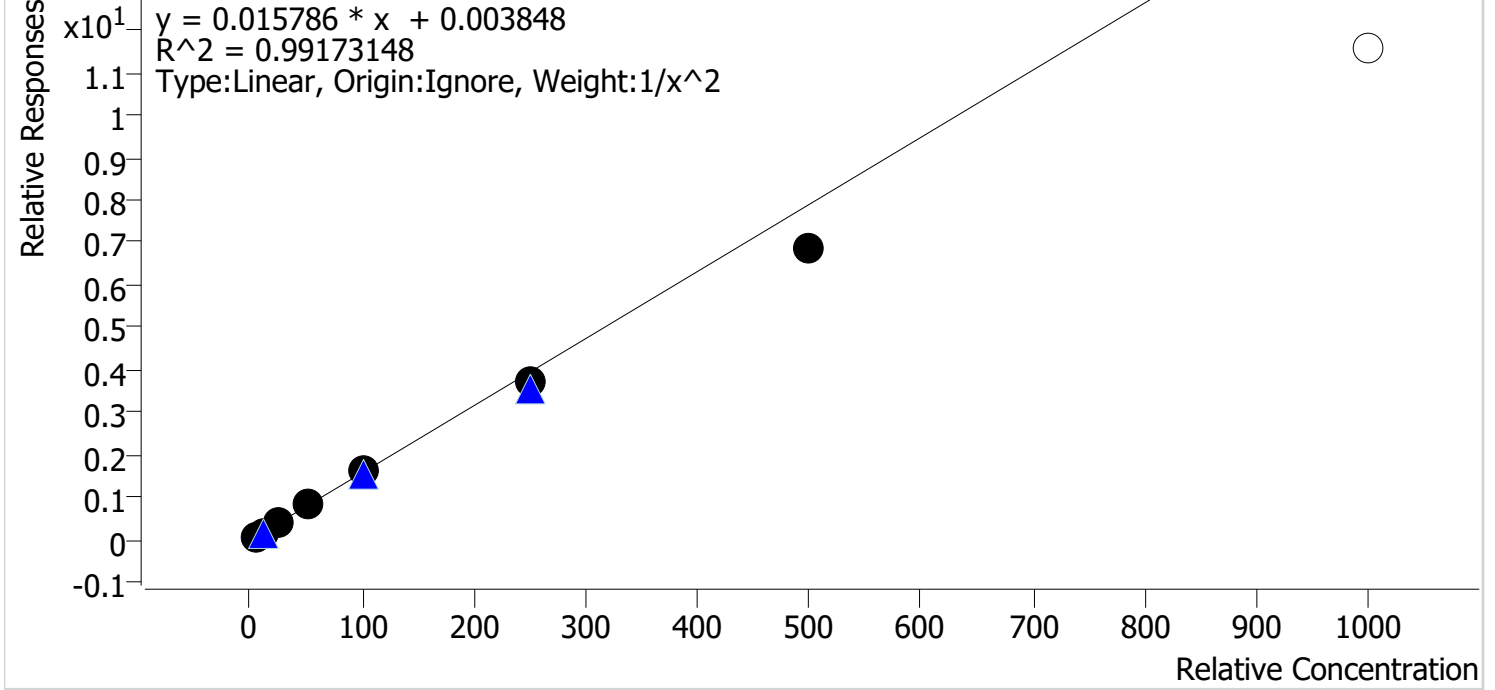
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	244.7	97.9
p1 Cal 7-500ng	7	✓	500.0	499.9	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1023.6	102.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

Dihydrocodeine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



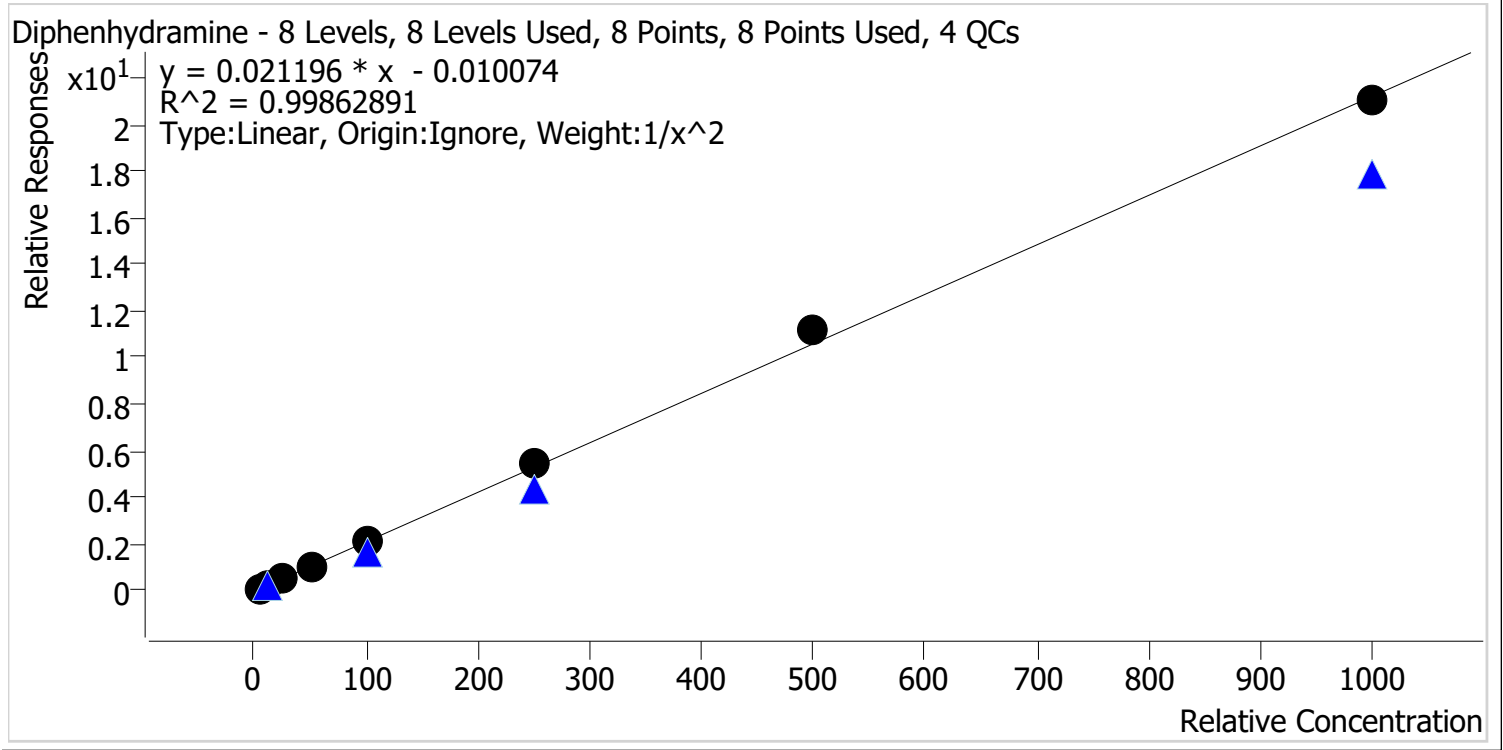
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.9
p1 Cal 2-10ng	2	✓	10.0	10.6	106.0
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.2
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	237.3	94.9
p1 Cal 7-500ng	7	✓	500.0	436.3	87.3
p1 Cal 8-1000ng	8	✗	1000.0	732.1	73.2

9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

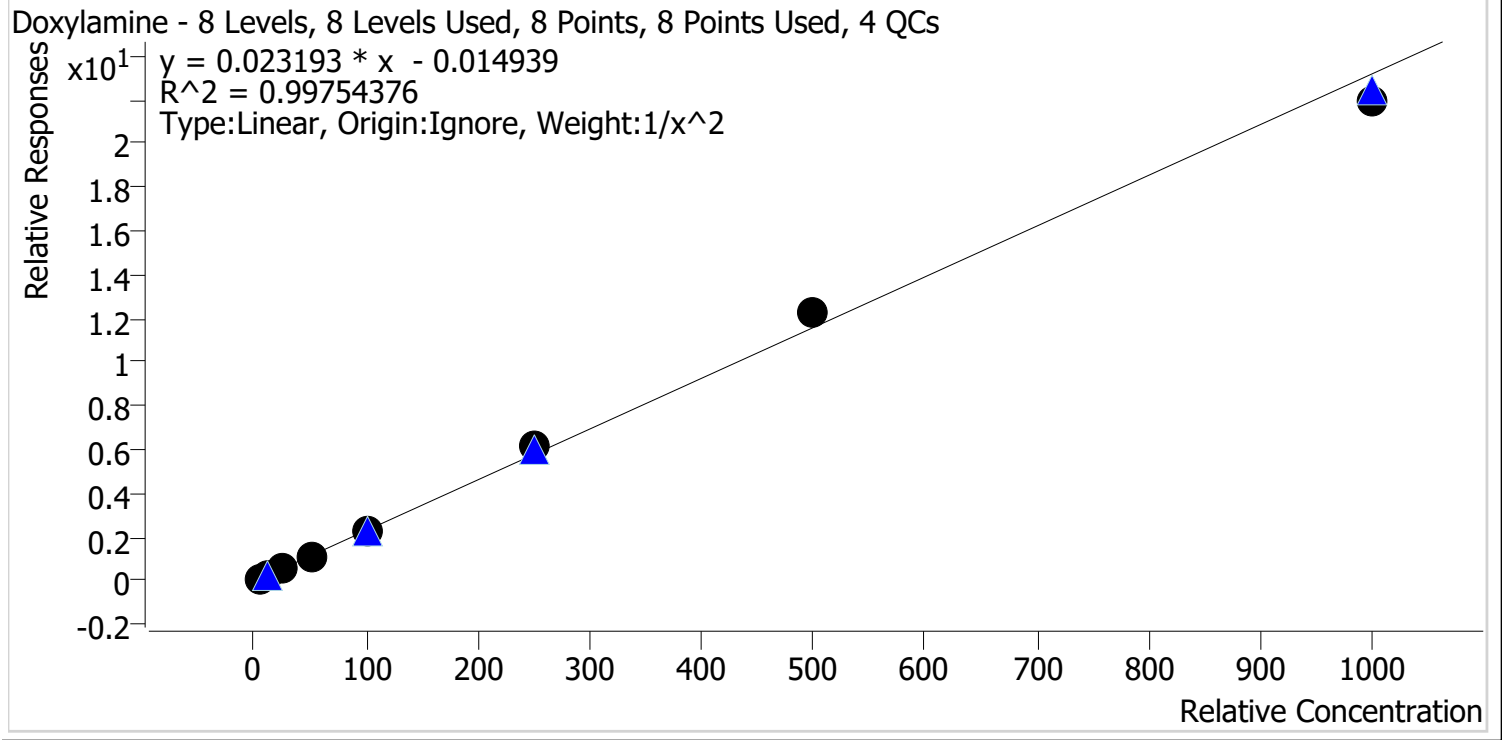


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2-10ng	2	✓	10.0	9.6	96.4
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	258.9	103.5
p1 Cal 7-500ng	7	✓	500.0	525.1	105.0
p1 Cal 8-1000ng	8	✓	1000.0	991.5	99.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5



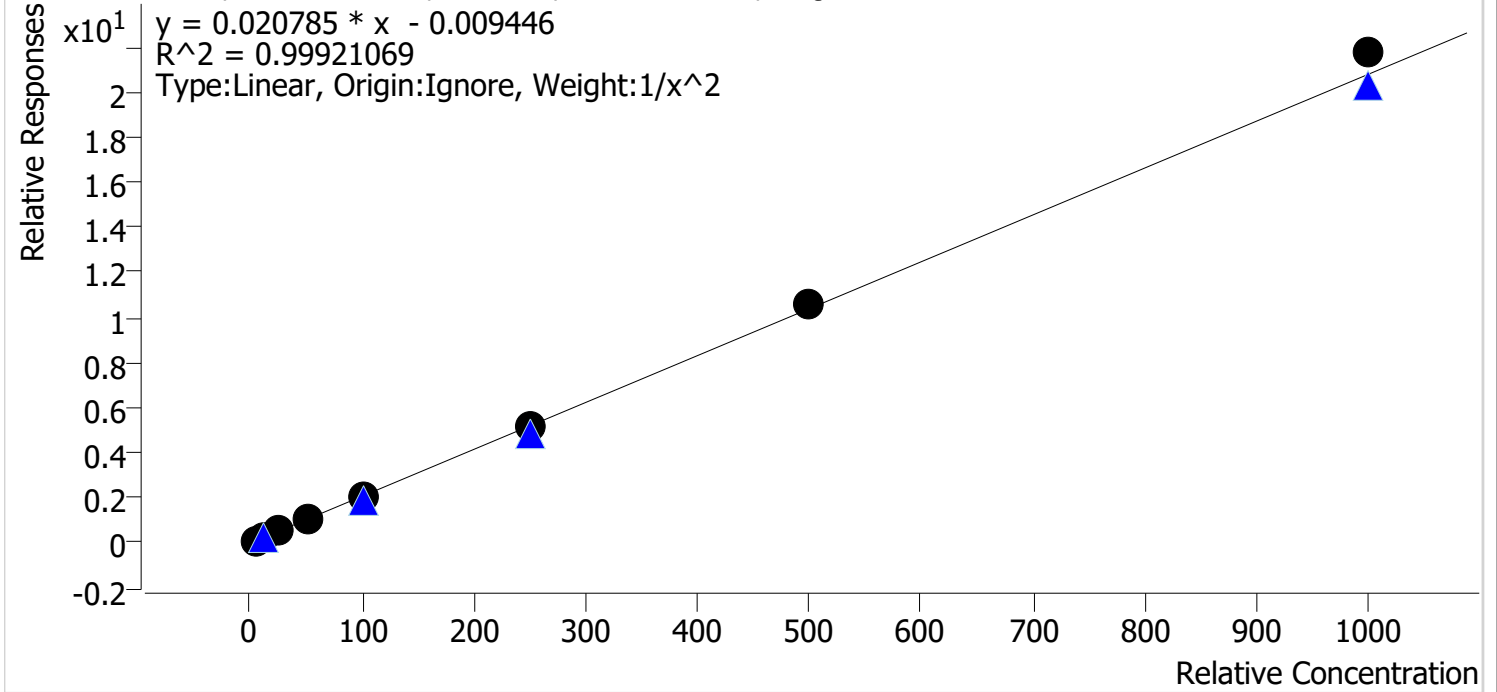
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	48.3	96.6
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	263.8	105.5
p1 Cal 7-500ng	7	✓	500.0	532.8	106.6
p1 Cal 8-1000ng	8	✓	1000.0	949.5	94.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

EDDP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

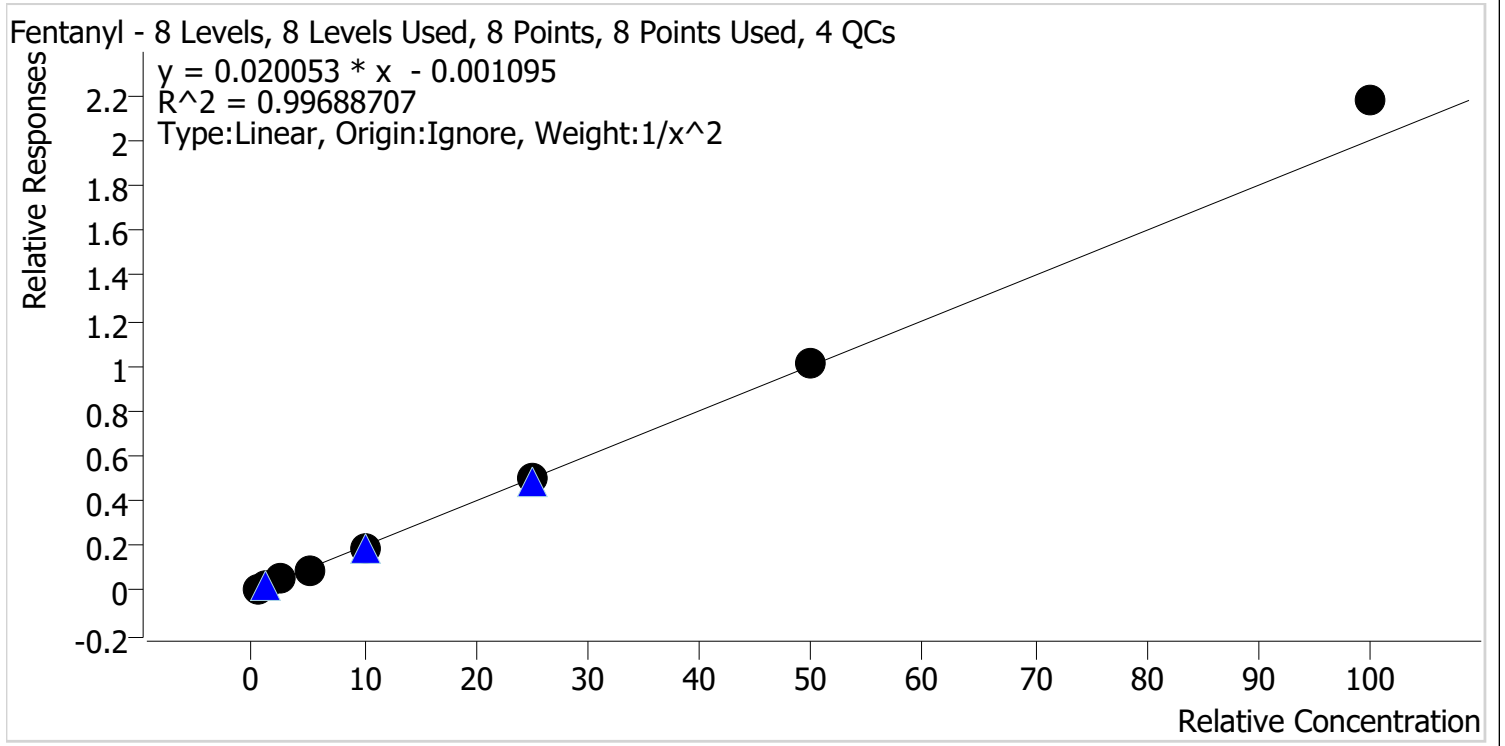


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	48.7	97.5
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	245.6	98.2
p1 Cal 7-500ng	7	✓	500.0	509.4	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1046.4	104.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

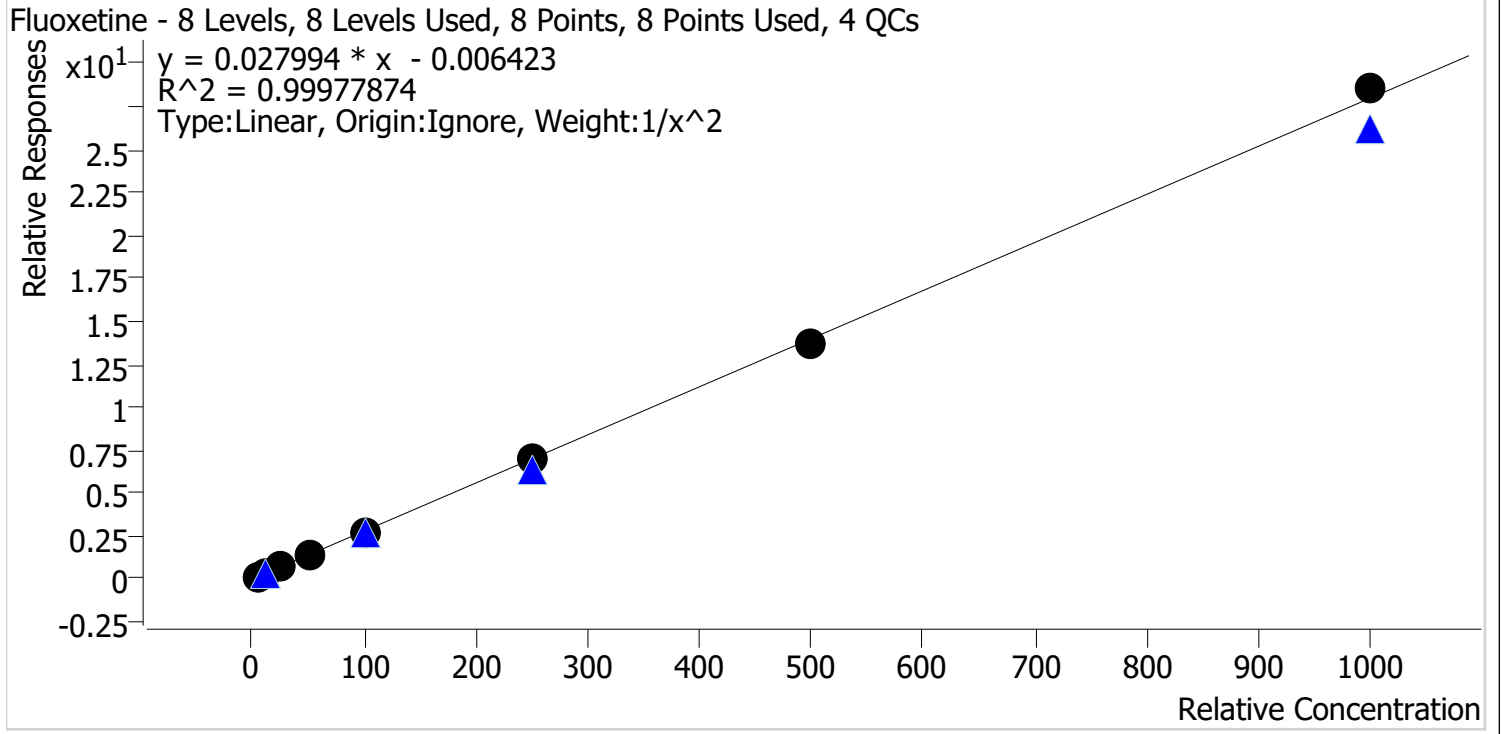


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.8
p1 Cal 2-10ng	2	✓	1.0	0.9	93.1
p1 Cal 3 -25ng	3	✓	2.5	2.5	100.3
p1 Cal 4-50ng	4	✓	5.0	4.9	97.3
p1 Cal 5-100ng	5	✓	10.0	9.6	96.1
p1 Cal 6-250ng	6	✓	25.0	24.9	99.5
p1 Cal 7-500ng	7	✓	50.0	50.6	101.1
p1 Cal 8-1000ng	8	✓	100.0	108.8	108.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

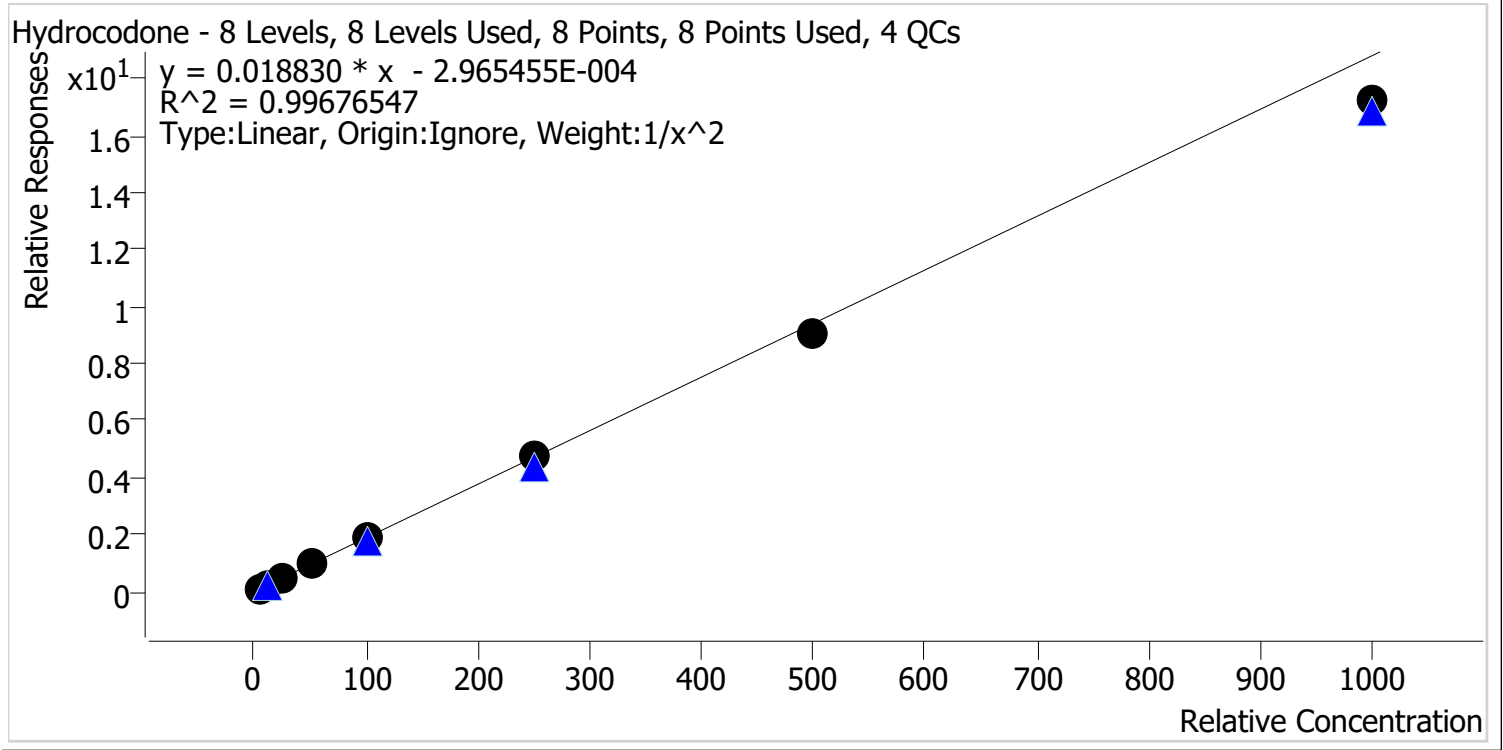


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	253.1	101.2
p1 Cal 7-500ng	7	✓	500.0	492.8	98.6
p1 Cal 8-1000ng	8	✓	1000.0	1019.9	102.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.6
p1 Cal 4-50ng	4	✓	50.0	52.9	105.7
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	254.6	101.8
p1 Cal 7-500ng	7	✓	500.0	480.4	96.1
p1 Cal 8-1000ng	8	✓	1000.0	916.2	91.6

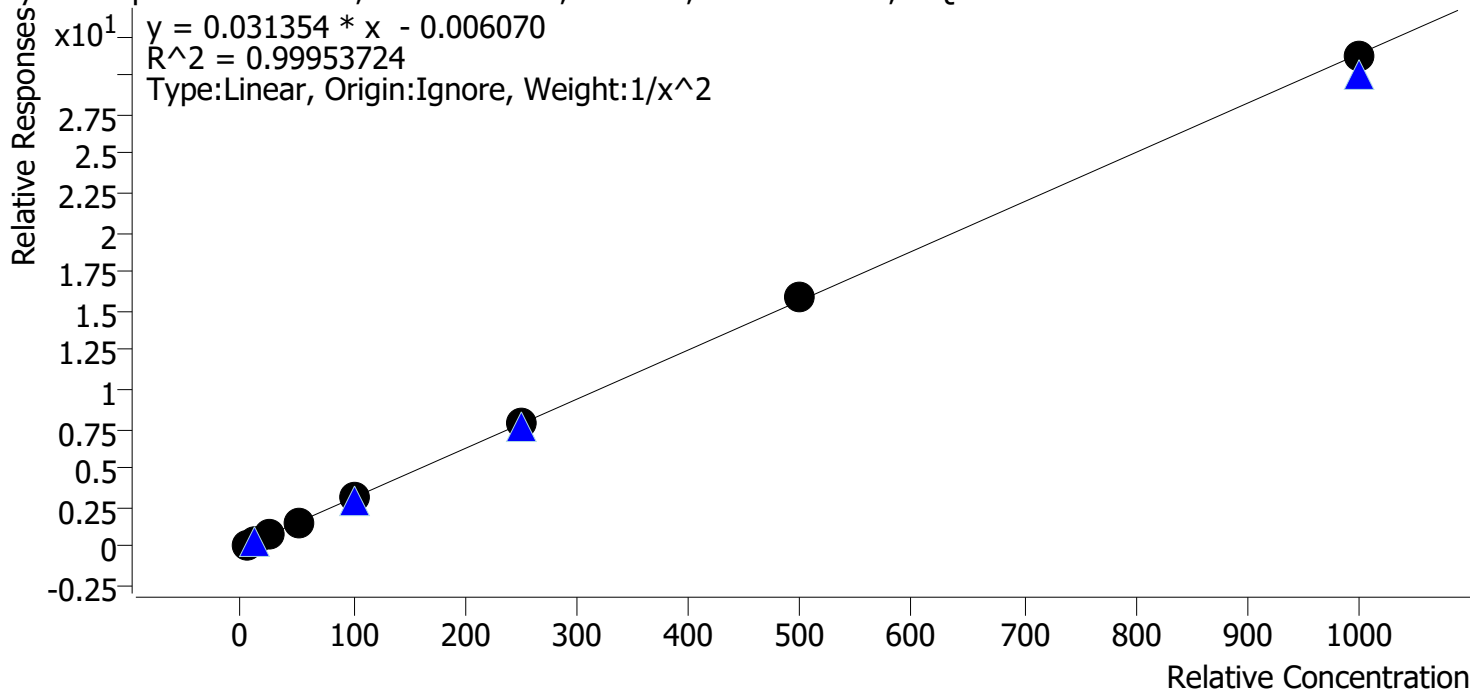
2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

Hydromorphone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

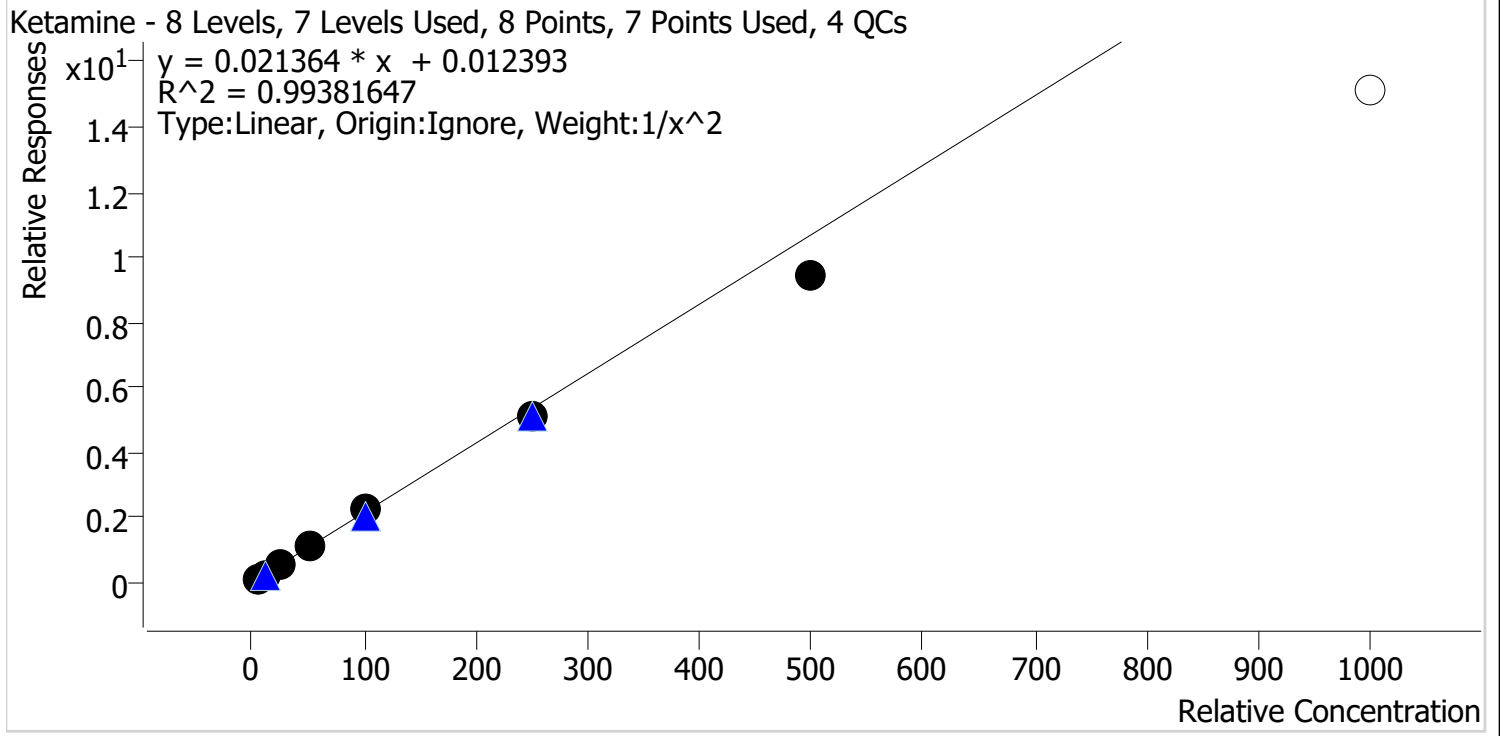


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.8
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	253.5	101.4
p1 Cal 7-500ng	7	✓	500.0	508.6	101.7
p1 Cal 8-1000ng	8	✓	1000.0	994.6	99.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4



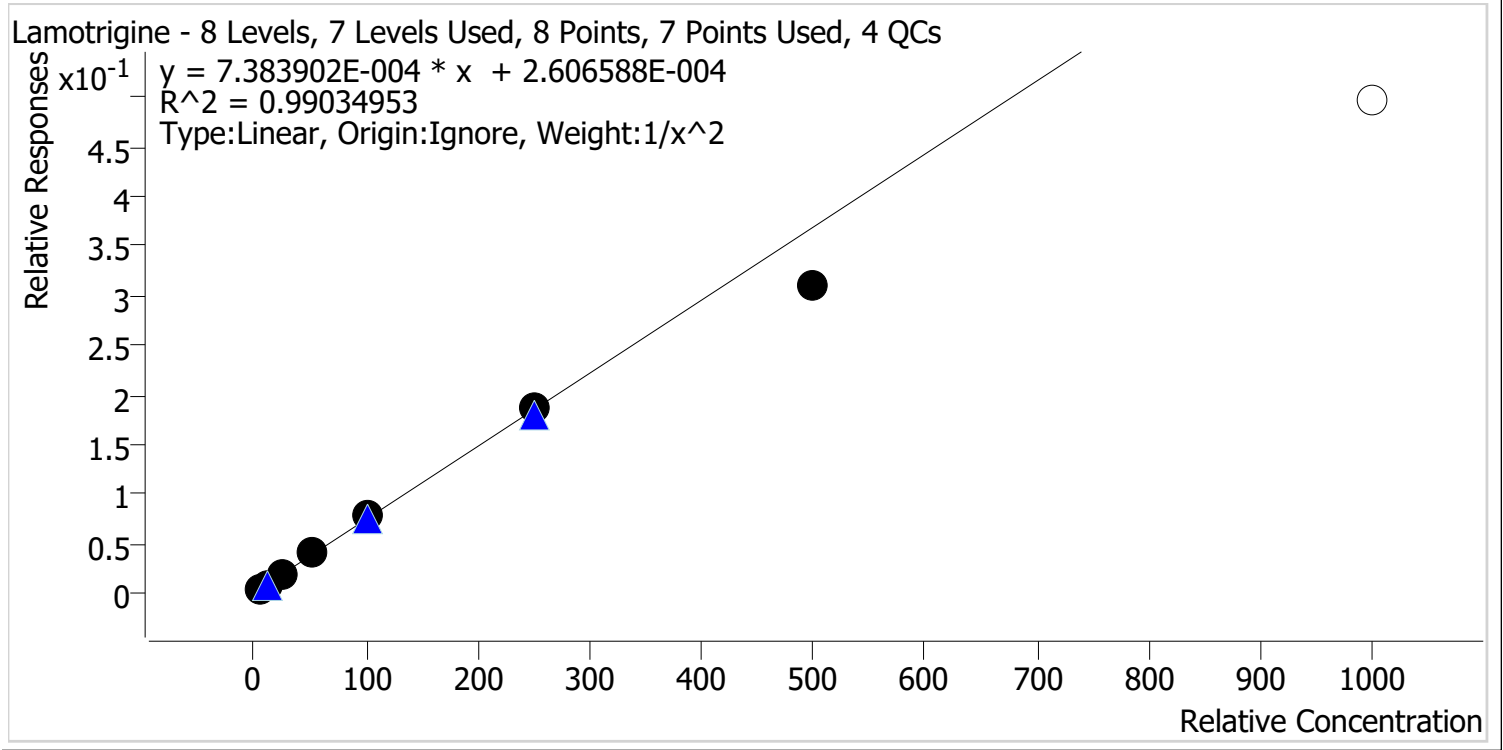
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2-10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.4
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 5-100ng	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	239.9	95.9
p1 Cal 7-500ng	7	✓	500.0	440.2	88.0
p1 Cal 8-1000ng	8	✗	1000.0	707.4	70.7

9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Pseudoephedrine-D3

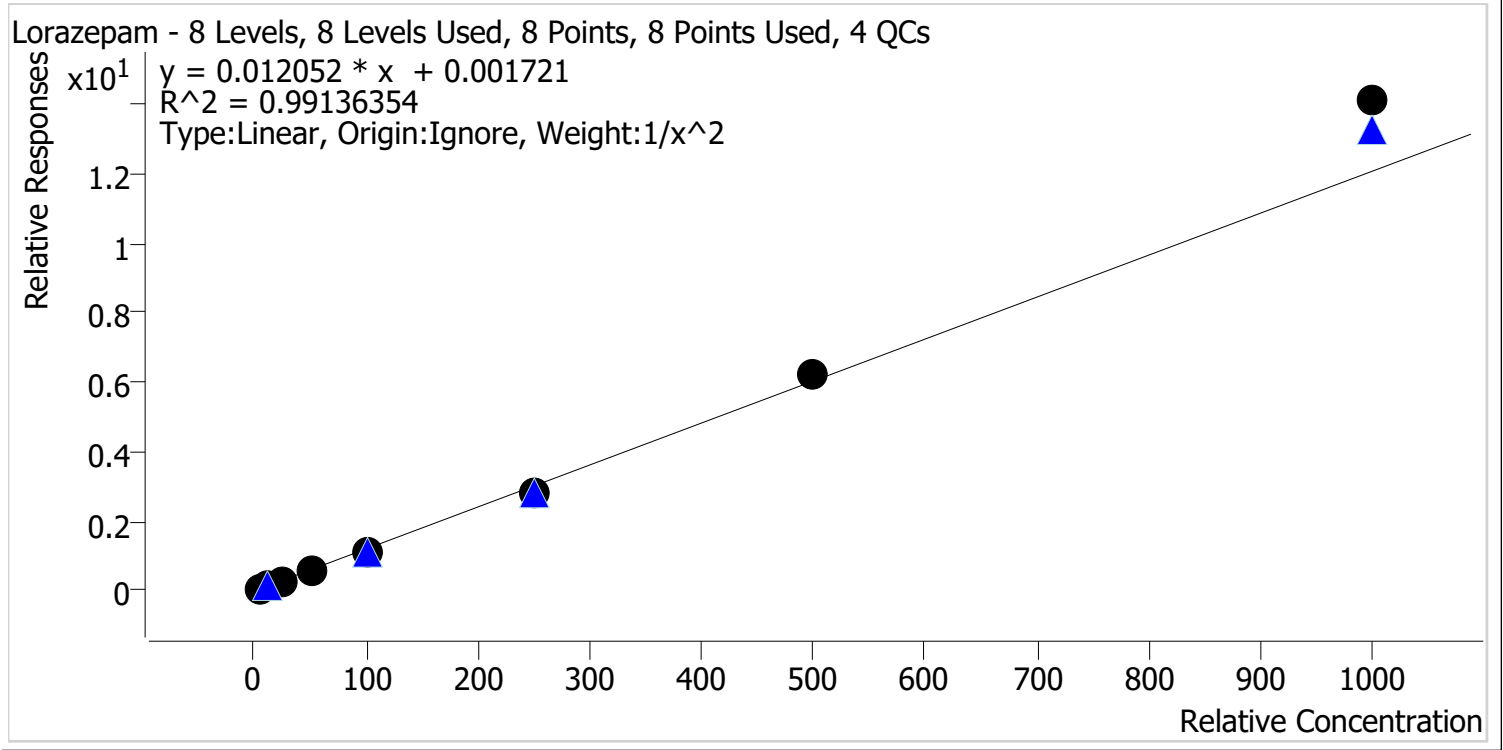


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	9.6	95.7
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.3
p1 Cal 4-50ng	4	✓	50.0	54.5	108.9
p1 Cal 5-100ng	5	✓	100.0	105.6	105.6
p1 Cal 6-250ng	6	✓	250.0	254.0	101.6
p1 Cal 7-500ng	7	✓	500.0	418.1	83.6
p1 Cal 8-1000ng	8	✗	1000.0	673.1	67.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Oxazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.3
p1 Cal 2-10ng	2	✓	10.0	9.6	95.7
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.5
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	91.5	91.5
p1 Cal 6-250ng	6	✓	250.0	232.9	93.2
p1 Cal 7-500ng	7	✓	500.0	513.1	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1168.3	116.8

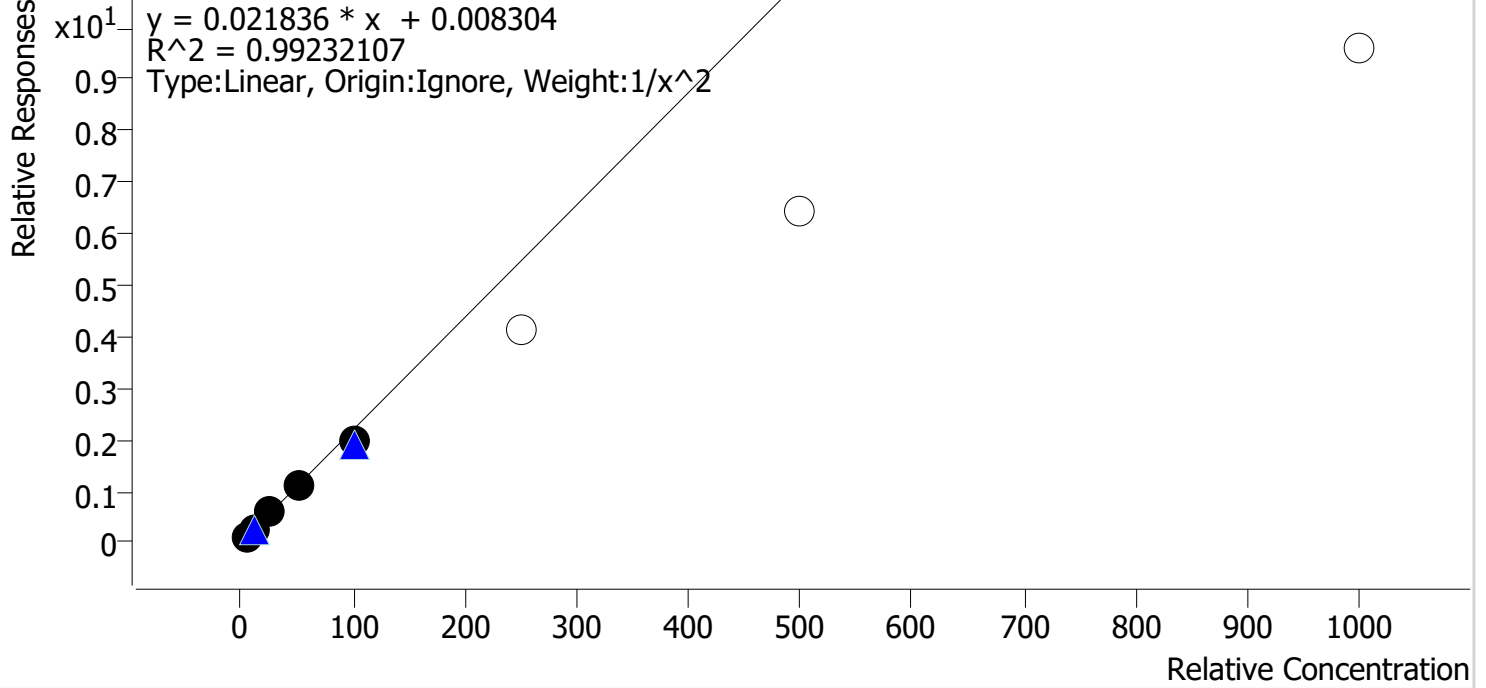


2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7

Meprobamate - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 4 QCs



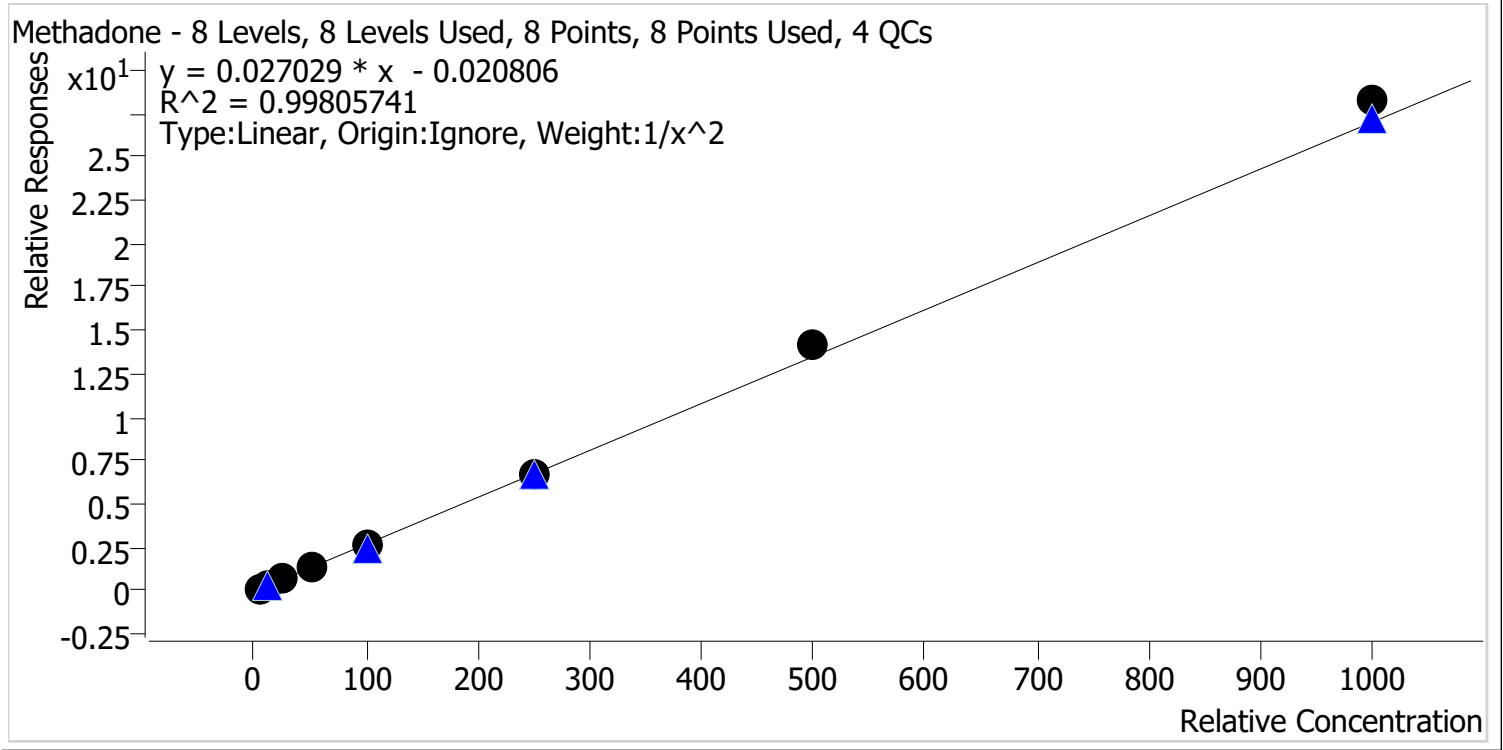
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	10.7	106.9
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.5
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	91.3	91.3
p1 Cal 6-250ng	6	✗	250.0	188.2	75.3
p1 Cal 7-500ng	7	✗	500.0	293.1	58.6
p1 Cal 8-1000ng	8	✗	1000.0	439.0	43.9

29



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9



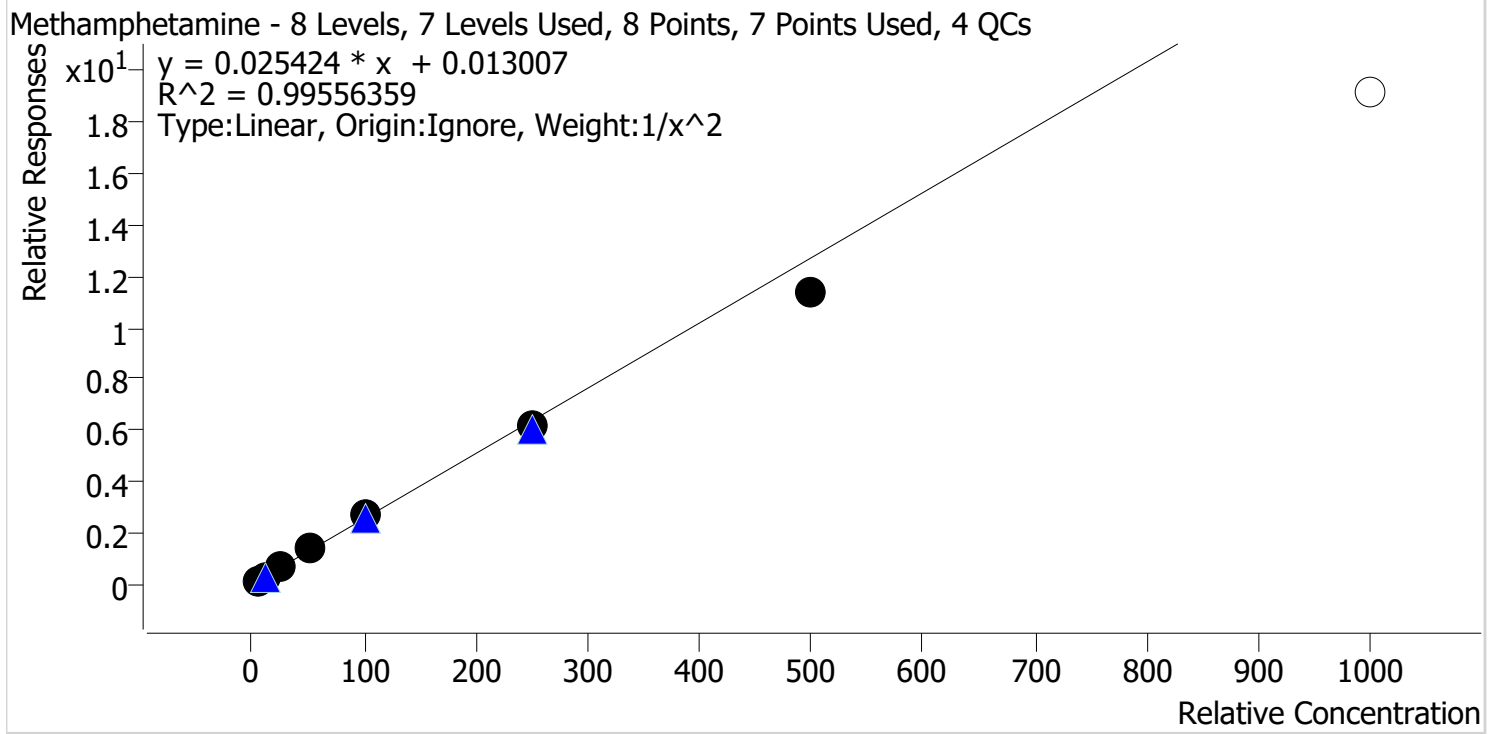
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2-10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	47.4	94.9
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	252.1	100.9
p1 Cal 7-500ng	7	✓	500.0	525.6	105.1
p1 Cal 8-1000ng	8	✓	1000.0	1046.0	104.6

2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11



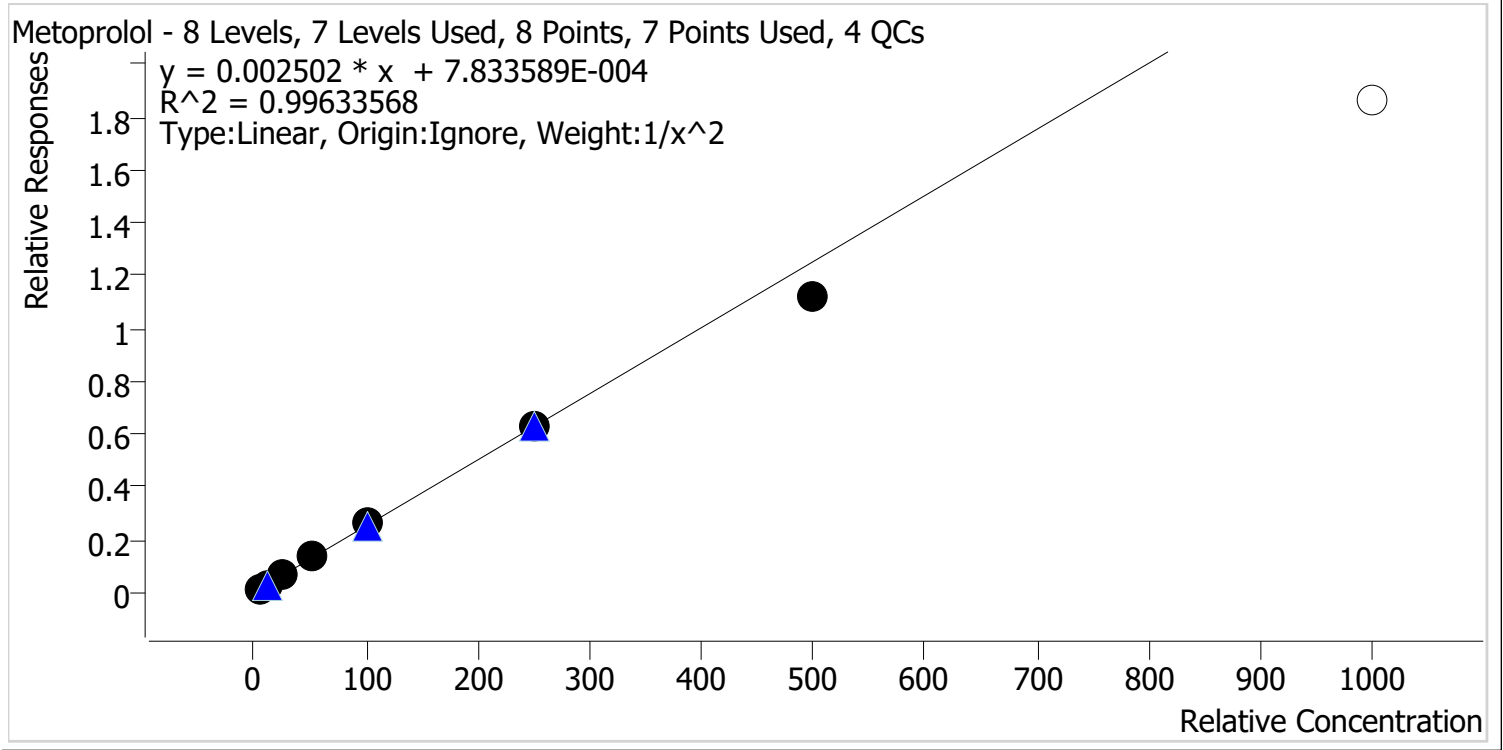
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	52.3	104.5
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	244.0	97.6
p1 Cal 7-500ng	7	✓	500.0	447.1	89.4
p1 Cal 8-1000ng	8	✗	1000.0	753.2	75.3

2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3



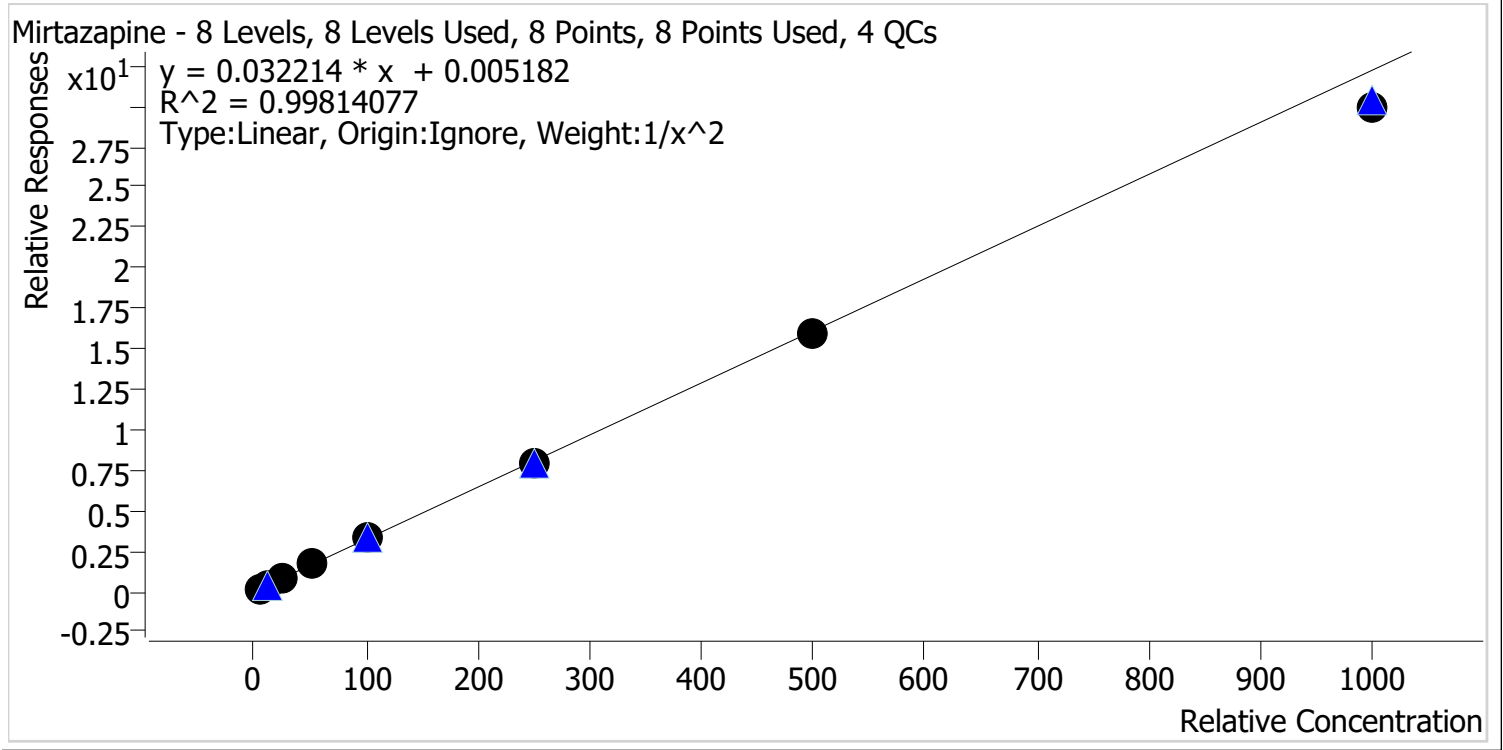
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.3
p1 Cal 4-50ng	4	✓	50.0	52.4	104.9
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	248.4	99.4
p1 Cal 7-500ng	7	✓	500.0	449.2	89.8
p1 Cal 8-1000ng	8	✗	1000.0	743.5	74.4

2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-D8



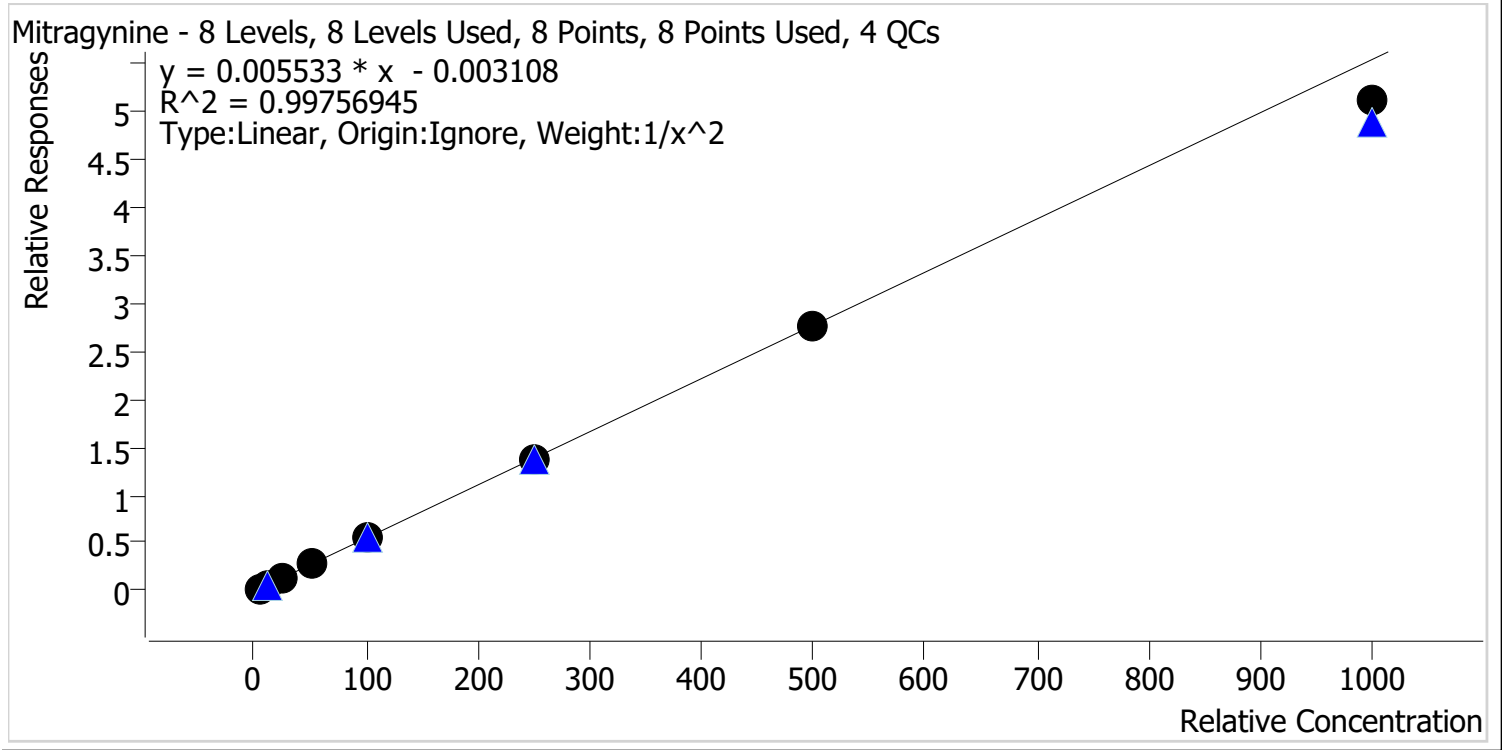
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	52.5	105.1
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	247.9	99.2
p1 Cal 7-500ng	7	✓	500.0	497.3	99.5
p1 Cal 8-1000ng	8	✓	1000.0	925.7	92.6

2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Methadone-D9



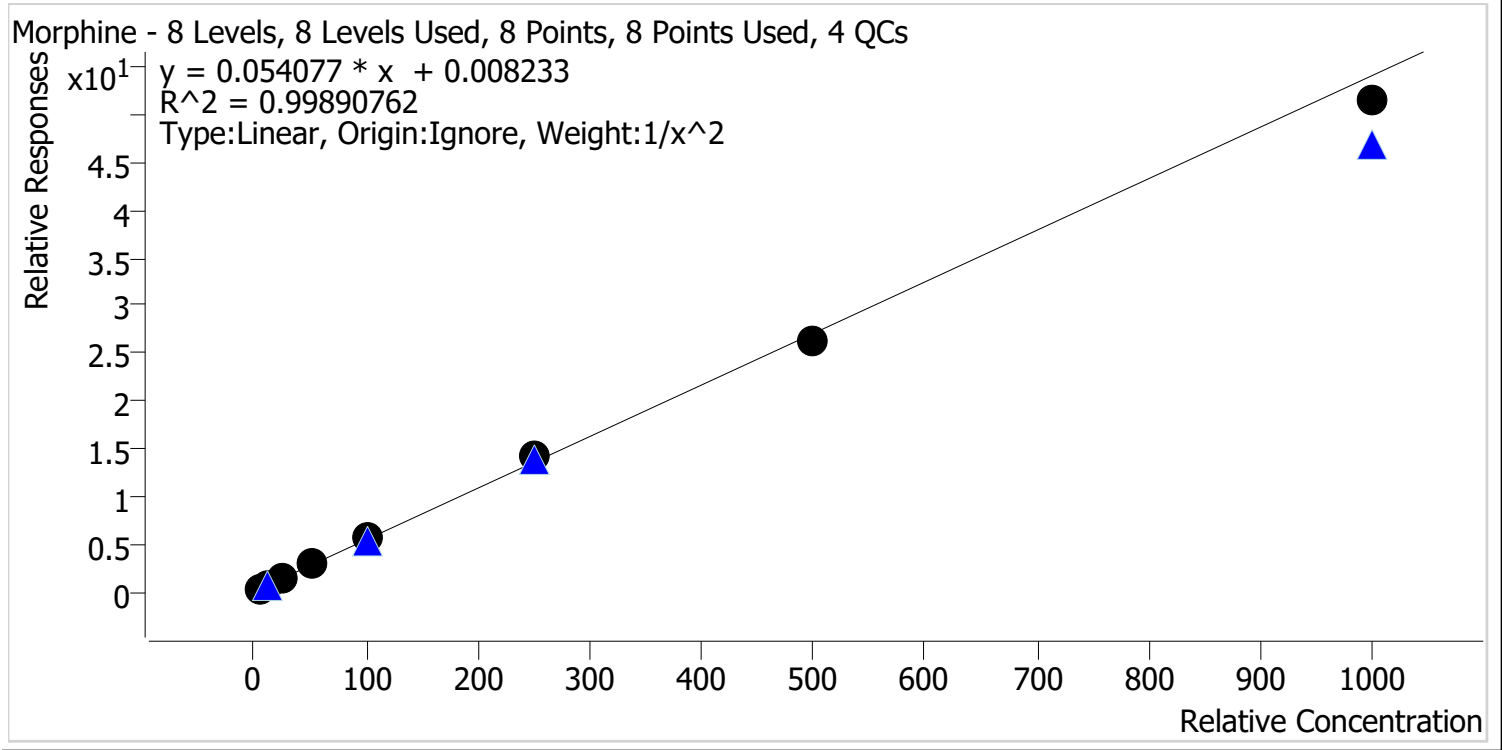
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.8
p1 Cal 2-10ng	2	✓	10.0	10.6	105.6
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.6
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	246.6	98.7
p1 Cal 7-500ng	7	✓	500.0	499.7	99.9
p1 Cal 8-1000ng	8	✓	1000.0	922.7	92.3

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6



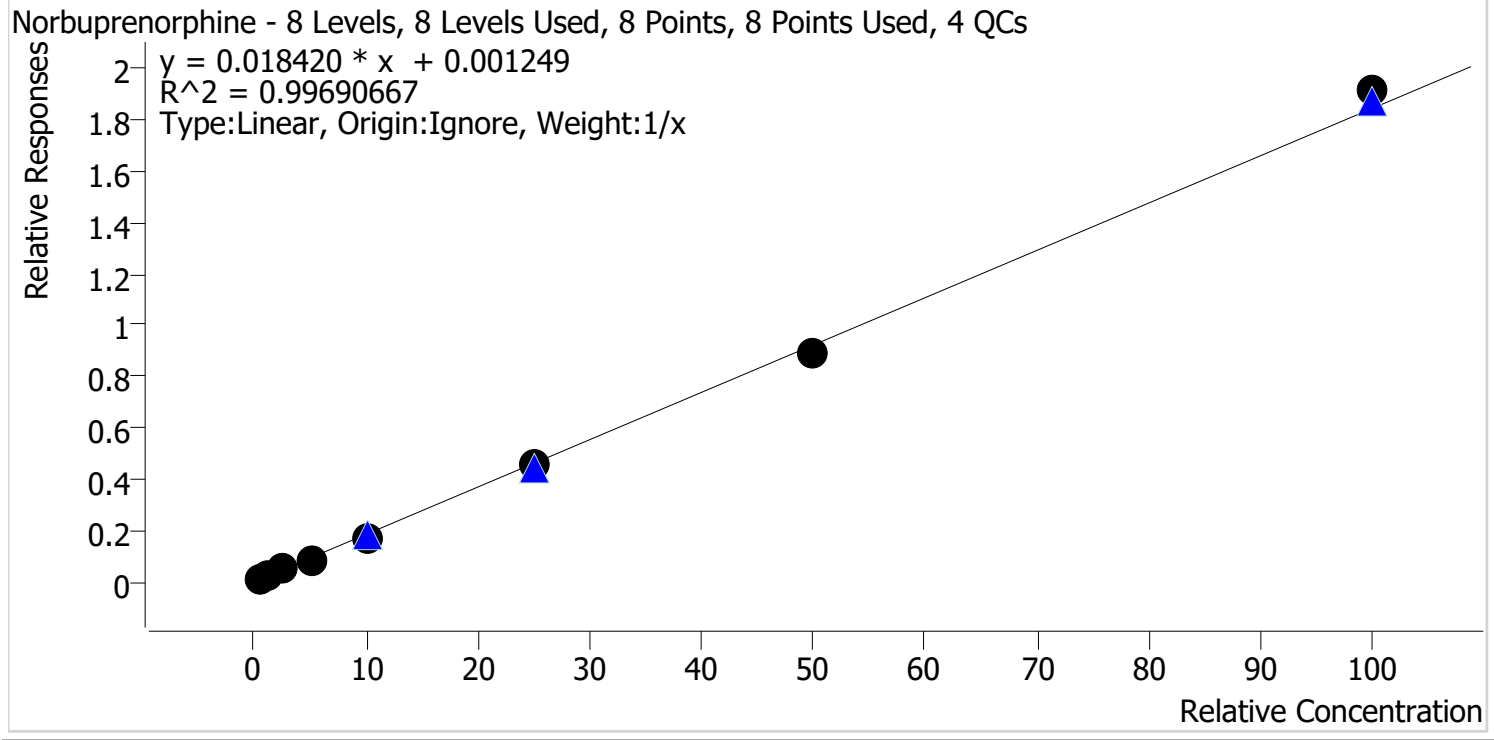
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.8
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	261.2	104.5
p1 Cal 7-500ng	7	✓	500.0	486.0	97.2
p1 Cal 8-1000ng	8	✓	1000.0	951.5	95.1

CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3



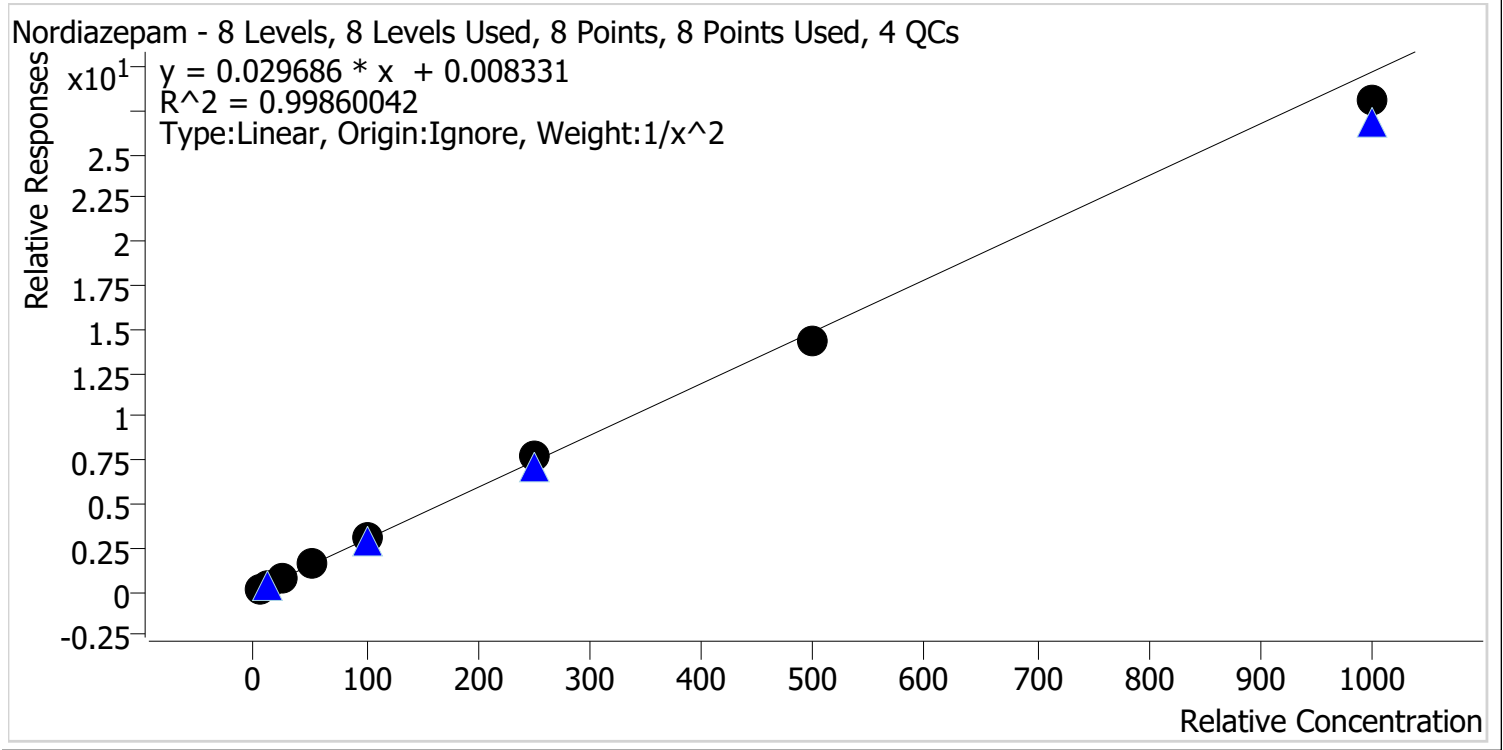
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.6	122.4
p1 Cal 2-10ng	2	✓	1.0	1.1	108.8
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.8
p1 Cal 4-50ng	4	✓	5.0	4.2	83.3
p1 Cal 5-100ng	5	✓	10.0	8.7	87.3
p1 Cal 6-250ng	6	✓	25.0	25.1	100.3
p1 Cal 7-500ng	7	✓	50.0	48.1	96.2
p1 Cal 8-1000ng	8	✓	100.0	103.8	103.8

2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

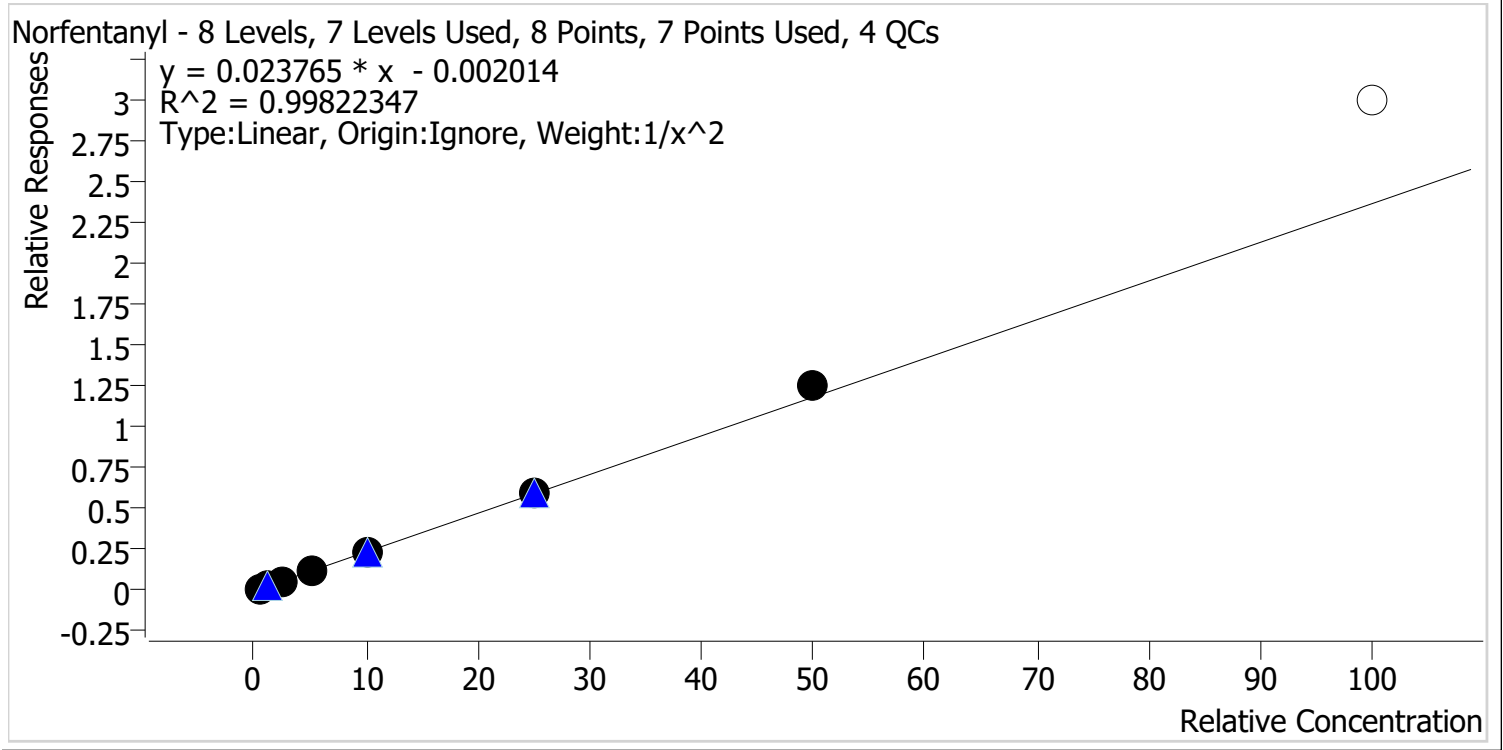


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	50.9	101.9
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	257.9	103.1
p1 Cal 7-500ng	7	✓	500.0	480.4	96.1
p1 Cal 8-1000ng	8	✓	1000.0	944.7	94.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5



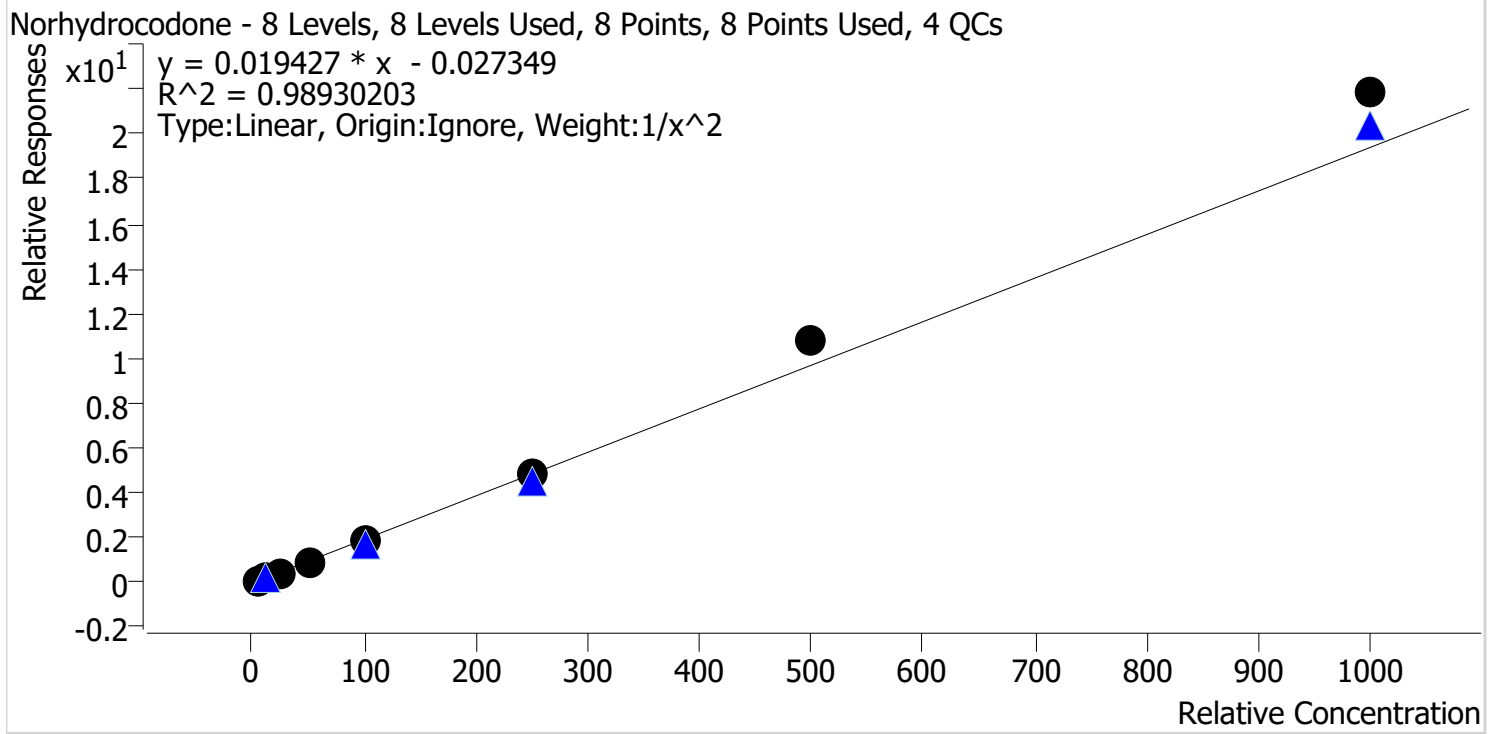
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.5
p1 Cal 2-10ng	2	✓	1.0	1.0	100.1
p1 Cal 3 -25ng	3	✓	2.5	2.5	99.0
p1 Cal 4-50ng	4	✓	5.0	4.9	98.7
p1 Cal 5-100ng	5	✓	10.0	9.5	94.5
p1 Cal 6-250ng	6	✓	25.0	25.2	100.7
p1 Cal 7-500ng	7	✓	50.0	53.3	106.5
p1 Cal 8-1000ng	8	✗	100.0	126.6	126.6

2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

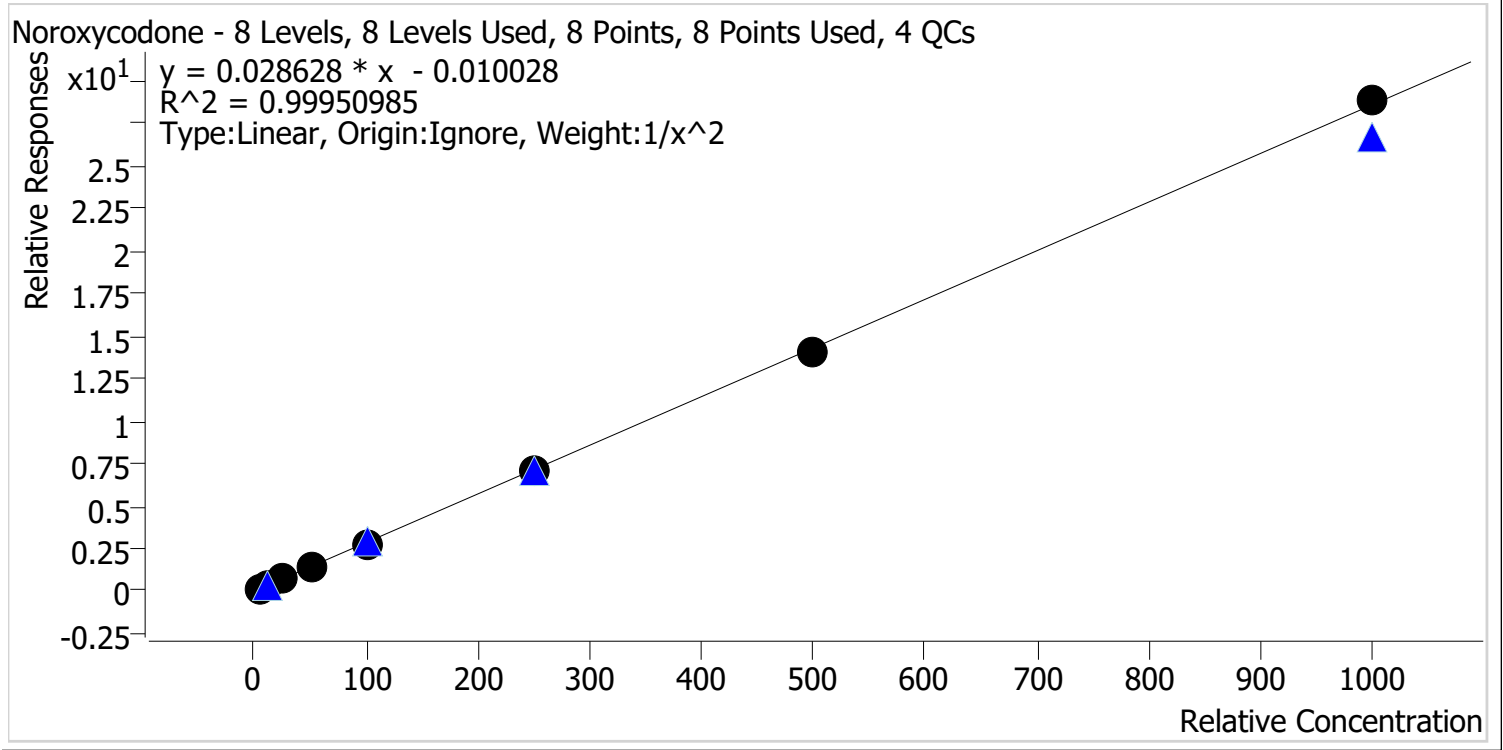


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.4
p1 Cal 2-10ng	2	✓	10.0	9.6	95.8
p1 Cal 3 -25ng	3	✓	25.0	22.0	88.1
p1 Cal 4-50ng	4	✓	50.0	45.4	90.8
p1 Cal 5-100ng	5	✓	100.0	95.7	95.7
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	554.5	110.9
p1 Cal 8-1000ng	8	✓	1000.0	1125.9	112.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

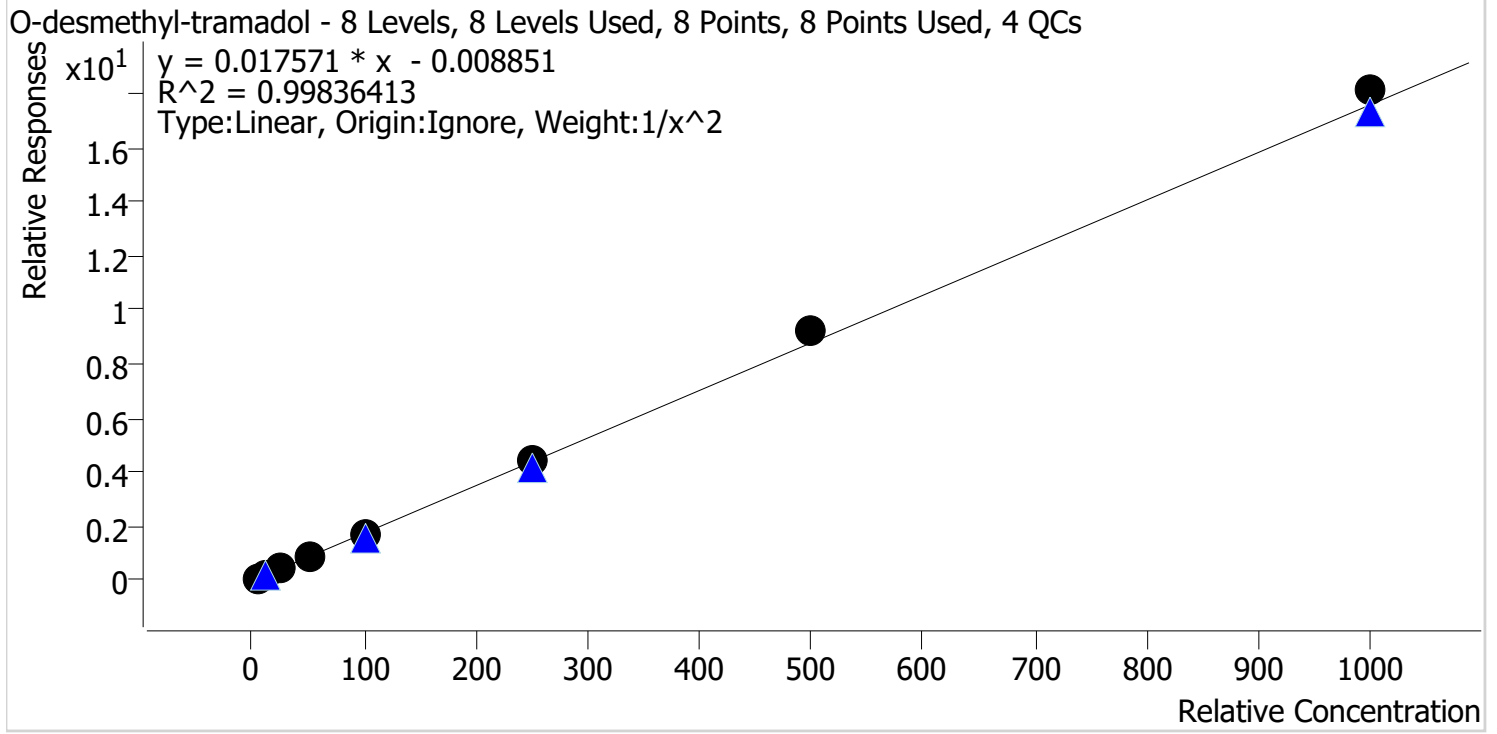


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.2
p1 Cal 4-50ng	4	✓	50.0	51.5	103.1
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	244.6	97.8
p1 Cal 7-500ng	7	✓	500.0	493.2	98.6
p1 Cal 8-1000ng	8	✓	1000.0	1008.7	100.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



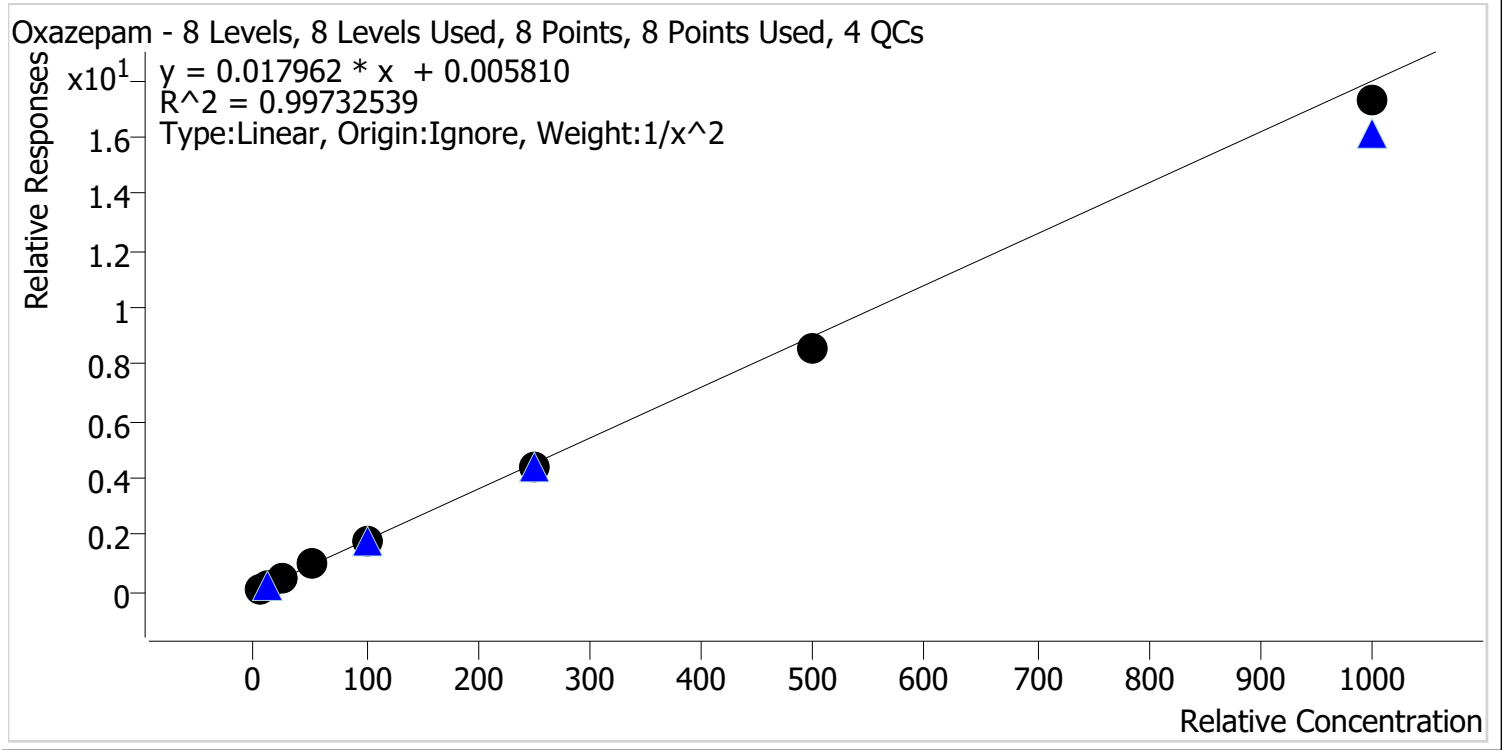
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2-10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	48.1	96.3
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	255.7	102.3
p1 Cal 7-500ng	7	✓	500.0	523.1	104.6
p1 Cal 8-1000ng	8	✓	1000.0	1030.7	103.1

9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.0
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.9
p1 Cal 4-50ng	4	✓	50.0	53.2	106.4
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	242.6	97.0
p1 Cal 7-500ng	7	✓	500.0	474.2	94.8
p1 Cal 8-1000ng	8	✓	1000.0	961.4	96.1

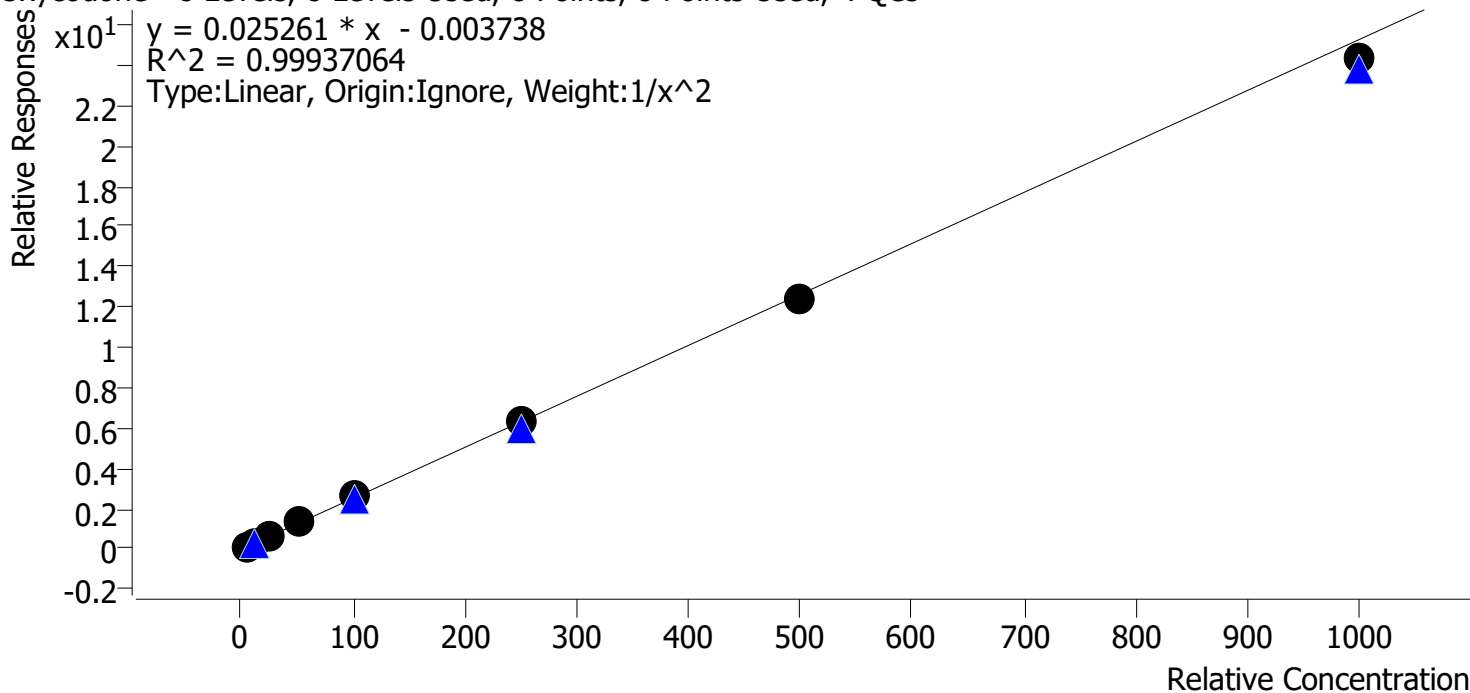
CS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

Oxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	51.6	103.1
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	248.1	99.2
p1 Cal 7-500ng	7	✓	500.0	494.3	98.9
p1 Cal 8-1000ng	8	✓	1000.0	962.6	96.3

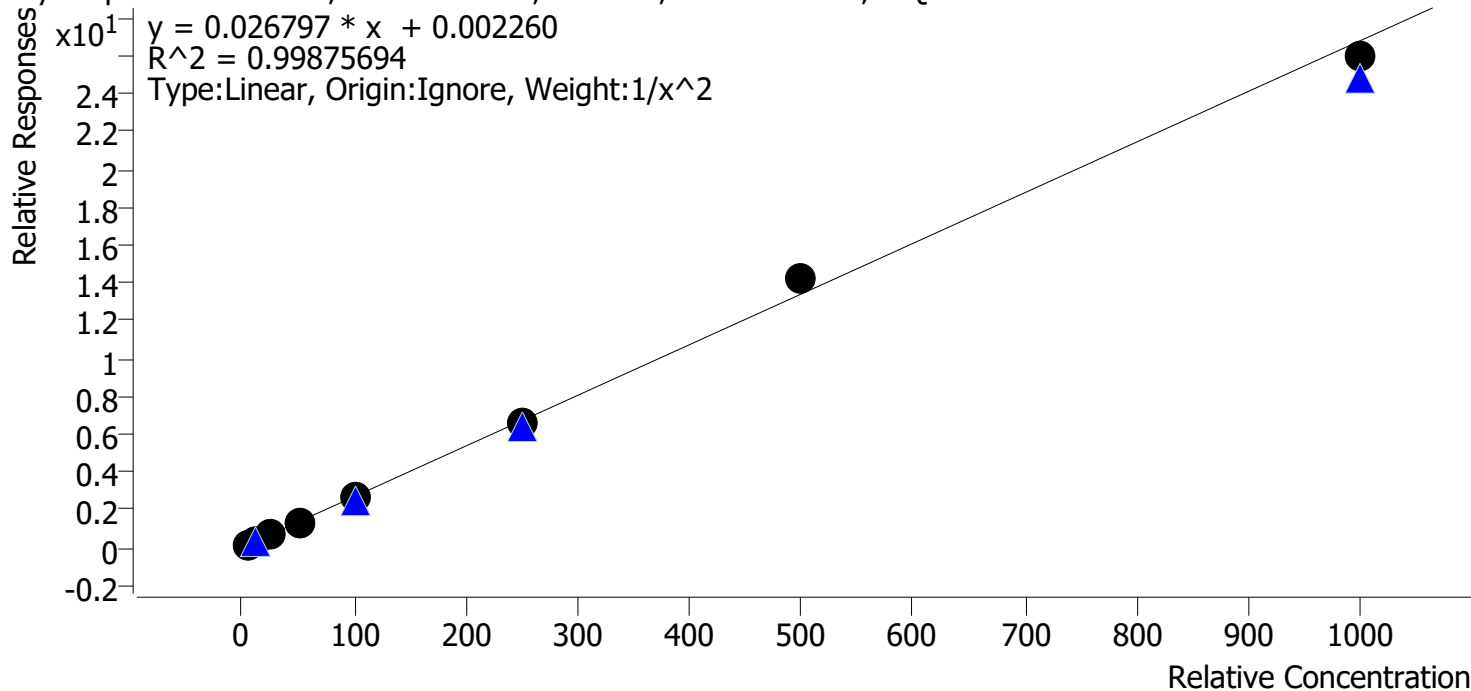
9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

Oxymorphone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

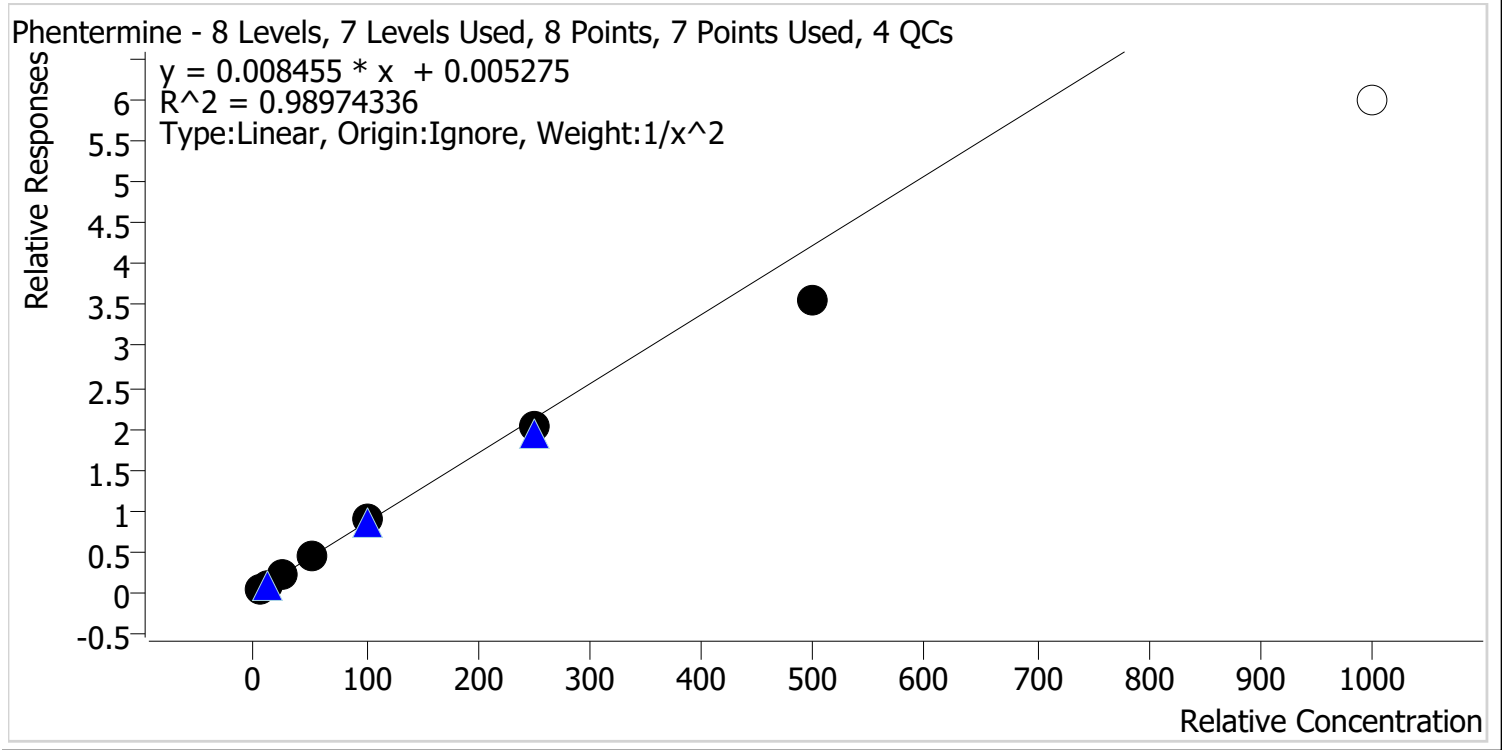


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.8
p1 Cal 4-50ng	4	✓	50.0	50.6	101.1
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	242.6	97.1
p1 Cal 7-500ng	7	✓	500.0	528.6	105.7
p1 Cal 8-1000ng	8	✓	1000.0	968.7	96.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5



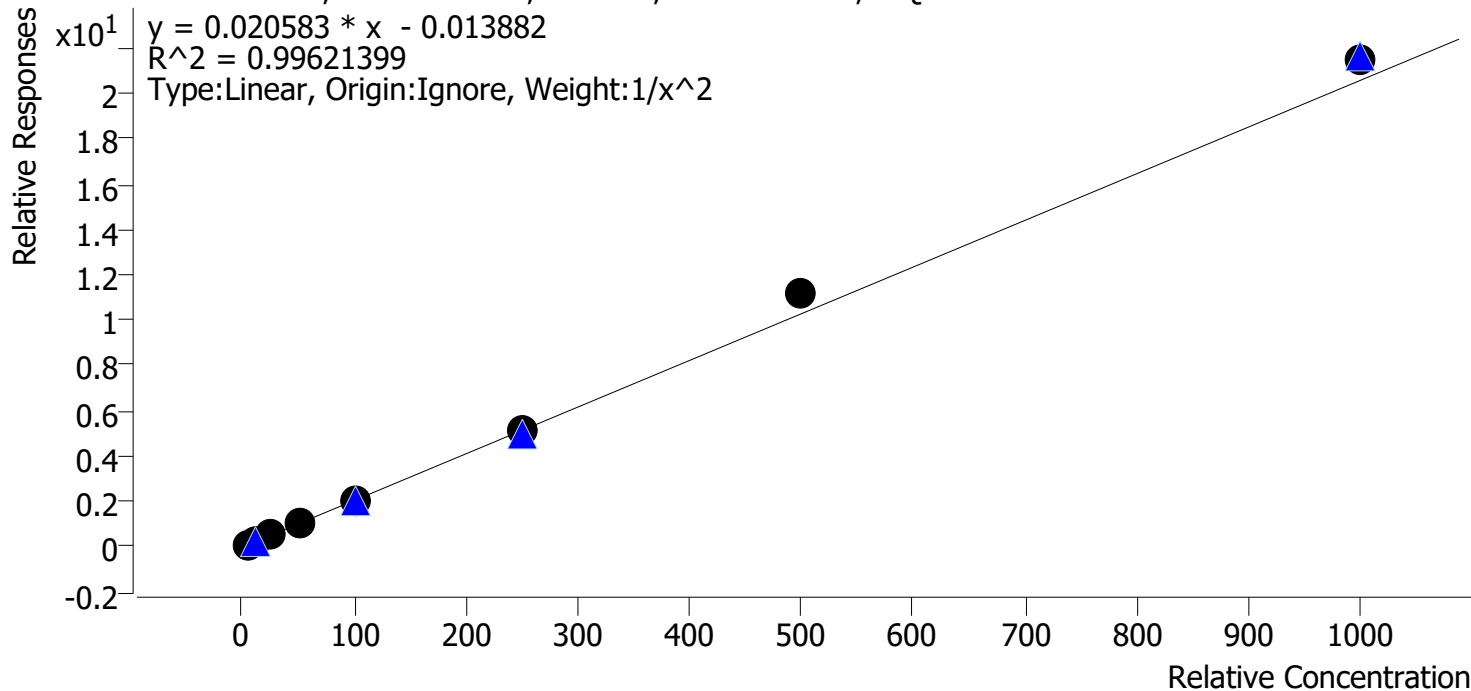
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2-10ng	2	✓	10.0	10.4	103.9
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.8
p1 Cal 4-50ng	4	✓	50.0	53.9	107.8
p1 Cal 5-100ng	5	✓	100.0	105.2	105.2
p1 Cal 6-250ng	6	✓	250.0	237.5	95.0
p1 Cal 7-500ng	7	✓	500.0	423.0	84.6
p1 Cal 8-1000ng	8	✗	1000.0	708.2	70.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

Promethazine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



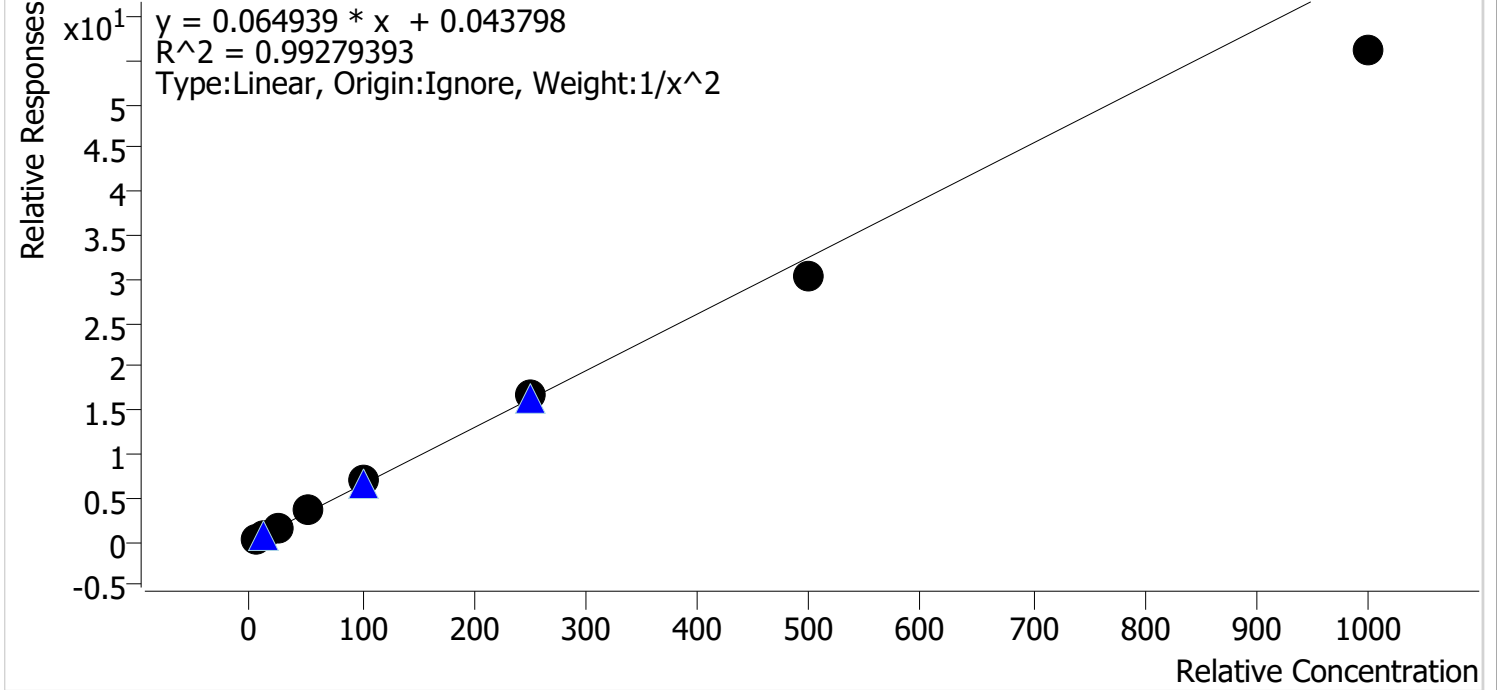
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.9
p1 Cal 2-10ng	2	✓	10.0	9.5	94.8
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.1
p1 Cal 4-50ng	4	✓	50.0	47.6	95.2
p1 Cal 5-100ng	5	✓	100.0	96.0	96.0
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	546.2	109.2
p1 Cal 8-1000ng	8	✓	1000.0	1043.5	104.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

Quetiapine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

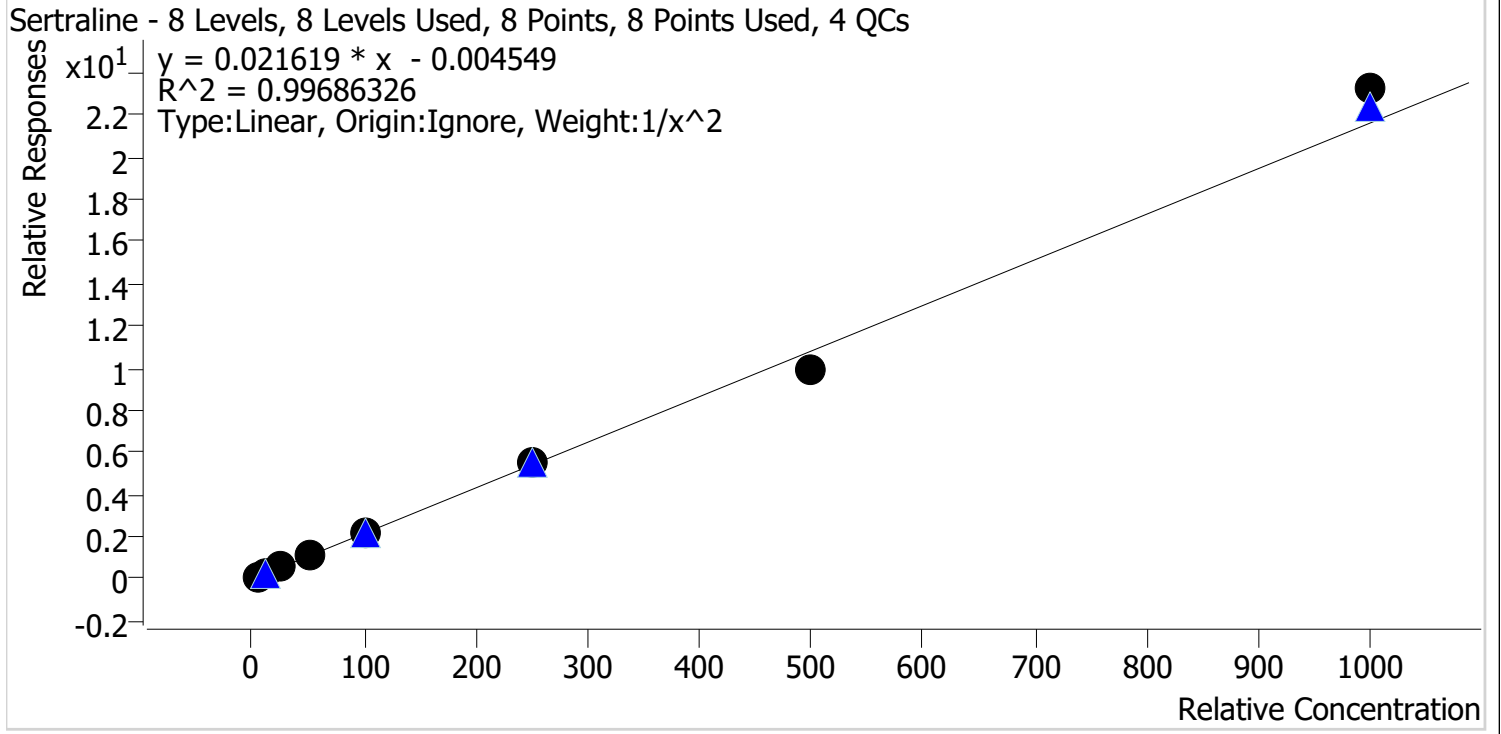


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.9
p1 Cal 4-50ng	4	✓	50.0	54.1	108.1
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	256.9	102.7
p1 Cal 7-500ng	7	✓	500.0	465.6	93.1
p1 Cal 8-1000ng	8	✓	1000.0	862.9	86.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3



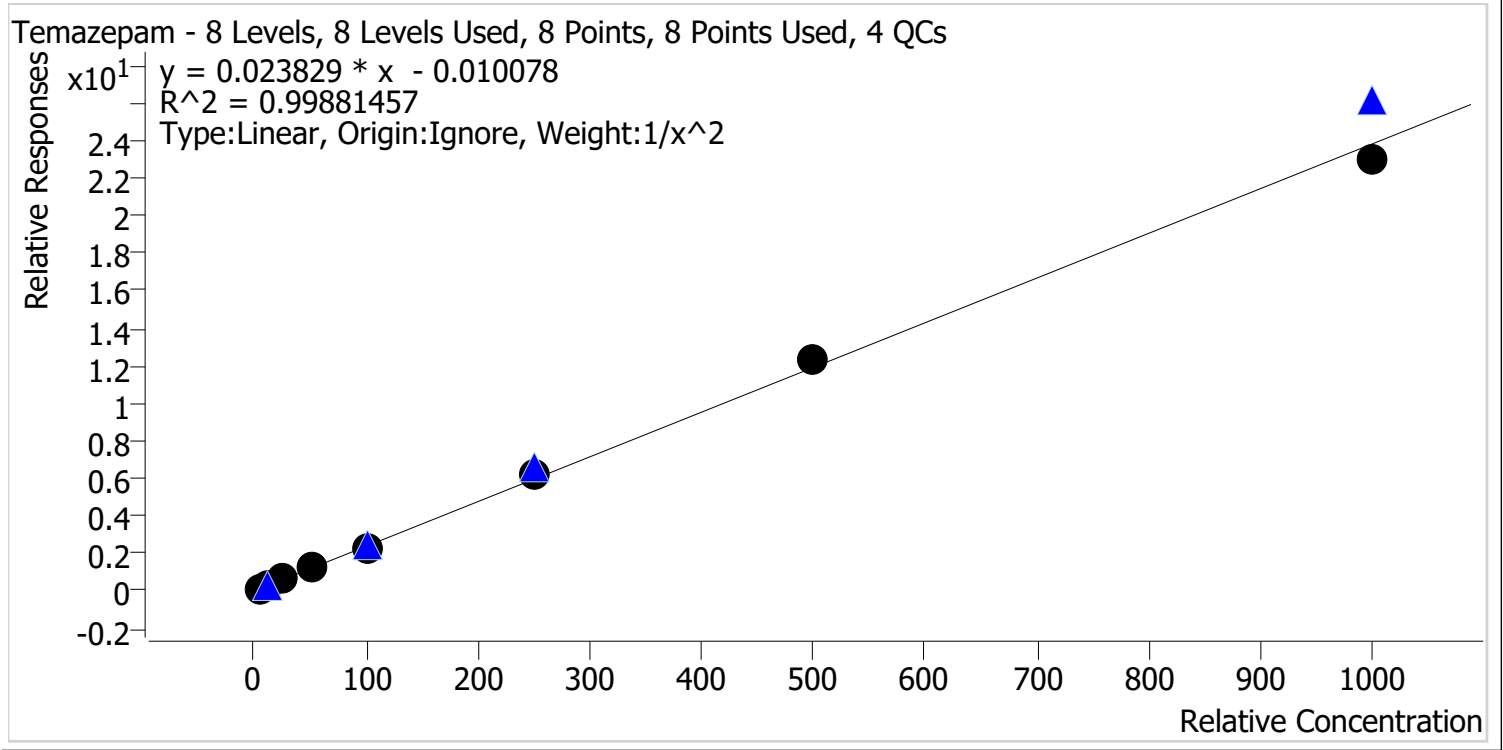
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2-10ng	2	✓	10.0	9.6	95.5
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	49.5	98.9
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	254.7	101.9
p1 Cal 7-500ng	7	✓	500.0	457.3	91.5
p1 Cal 8-1000ng	8	✓	1000.0	1075.5	107.5

2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

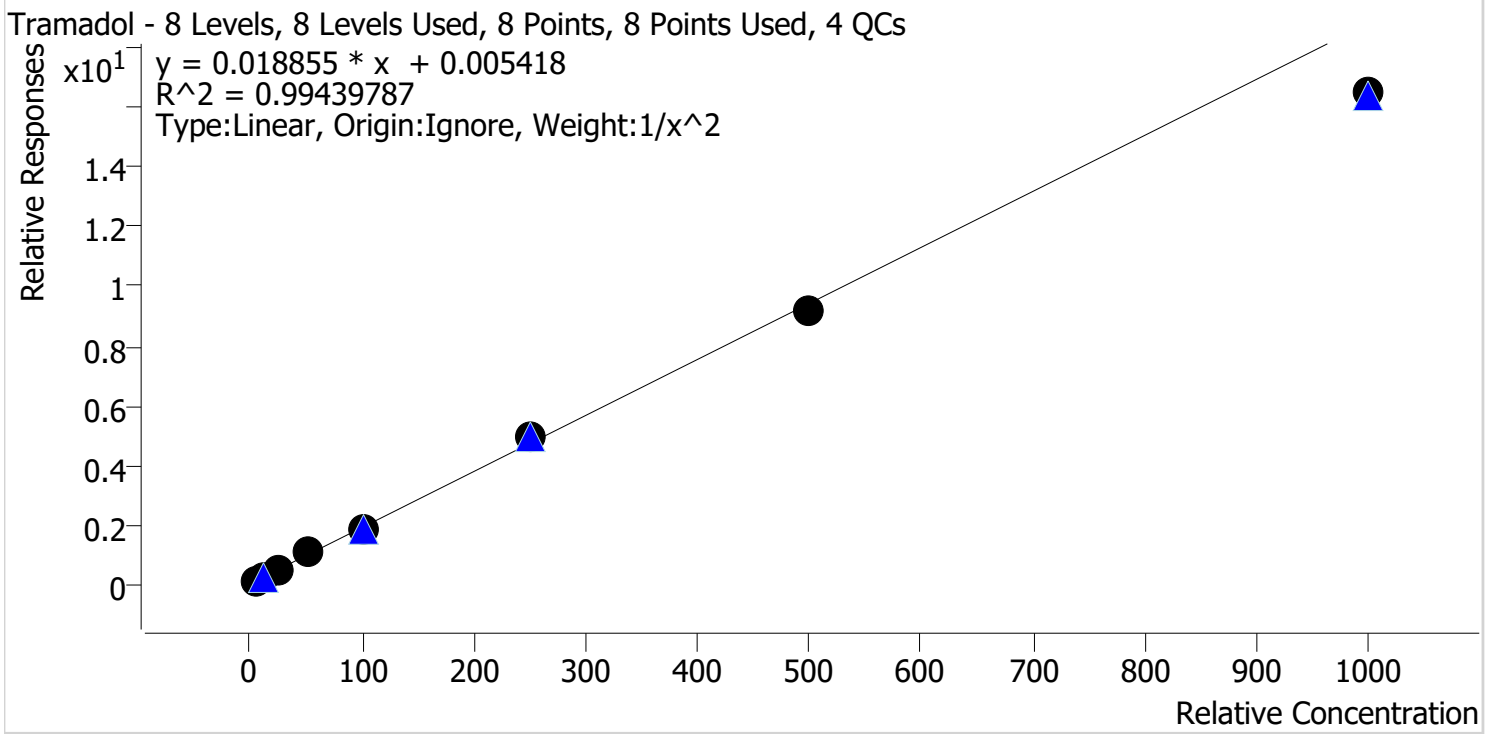


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.8
p1 Cal 4-50ng	4	✓	50.0	49.9	99.7
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	260.5	104.2
p1 Cal 7-500ng	7	✓	500.0	519.6	103.9
p1 Cal 8-1000ng	8	✓	1000.0	966.5	96.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

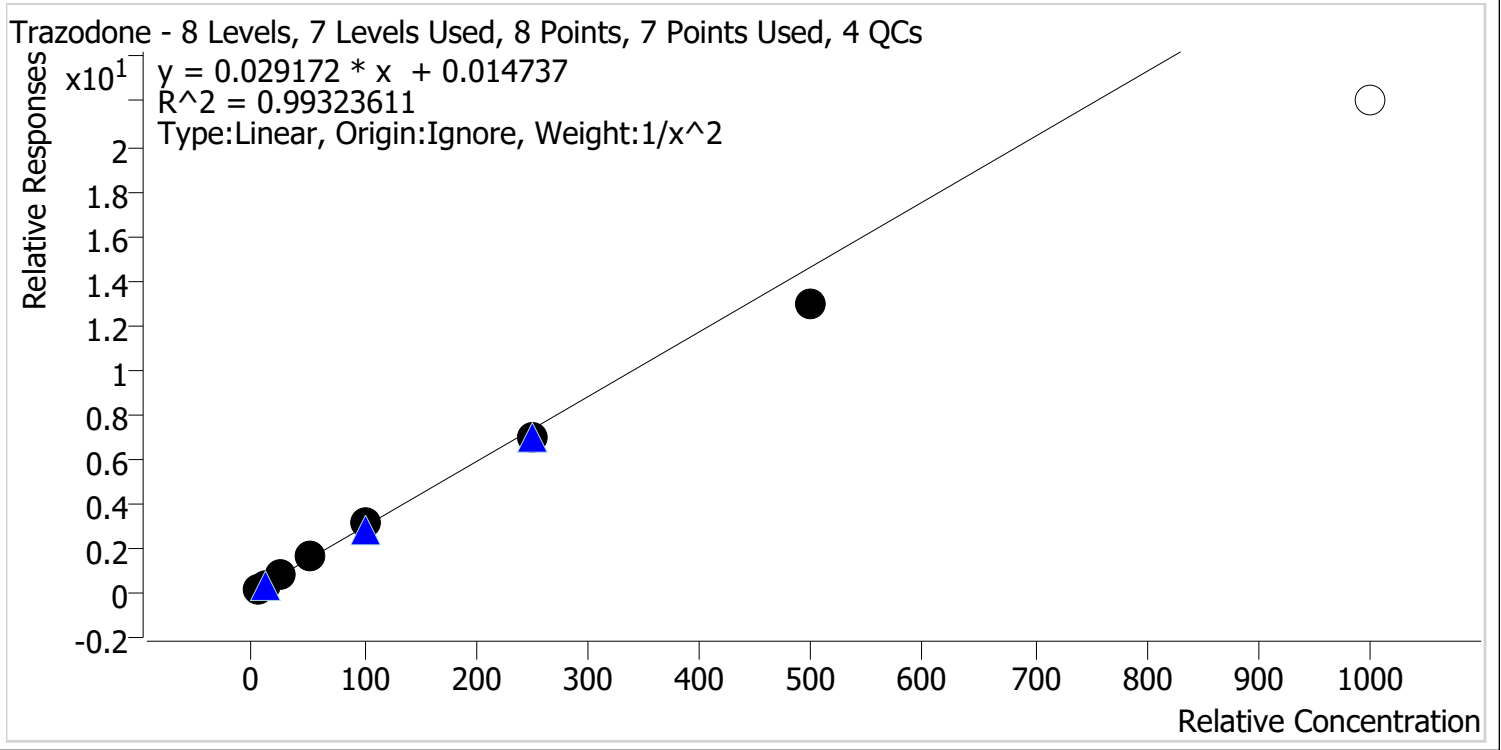


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2-10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	54.3	108.7
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	261.8	104.7
p1 Cal 7-500ng	7	✓	500.0	484.6	96.9
p1 Cal 8-1000ng	8	✓	1000.0	876.4	87.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6



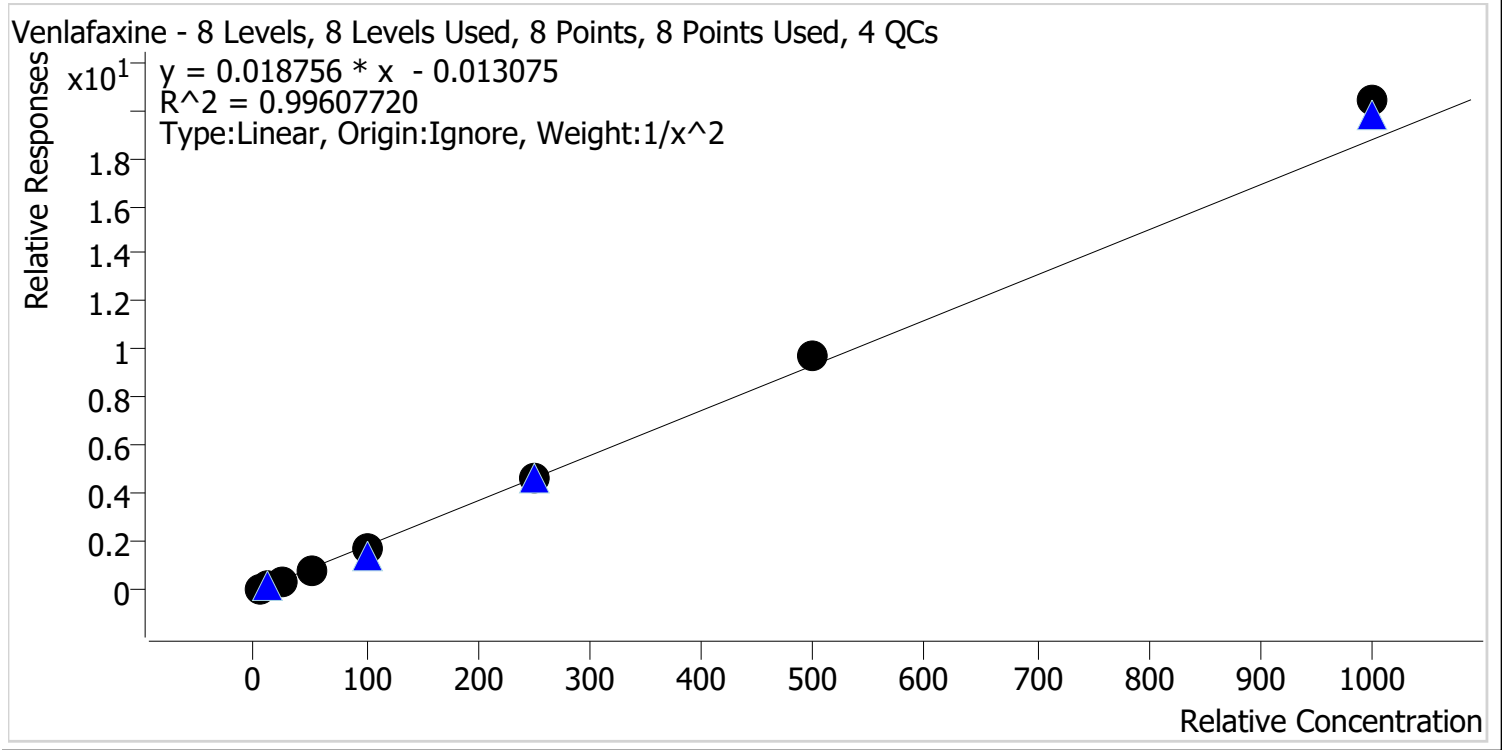
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.6
p1 Cal 4-50ng	4	✓	50.0	52.8	105.6
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	235.7	94.3
p1 Cal 7-500ng	7	✓	500.0	444.3	88.9
p1 Cal 8-1000ng	8	✗	1000.0	755.4	75.5

2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6



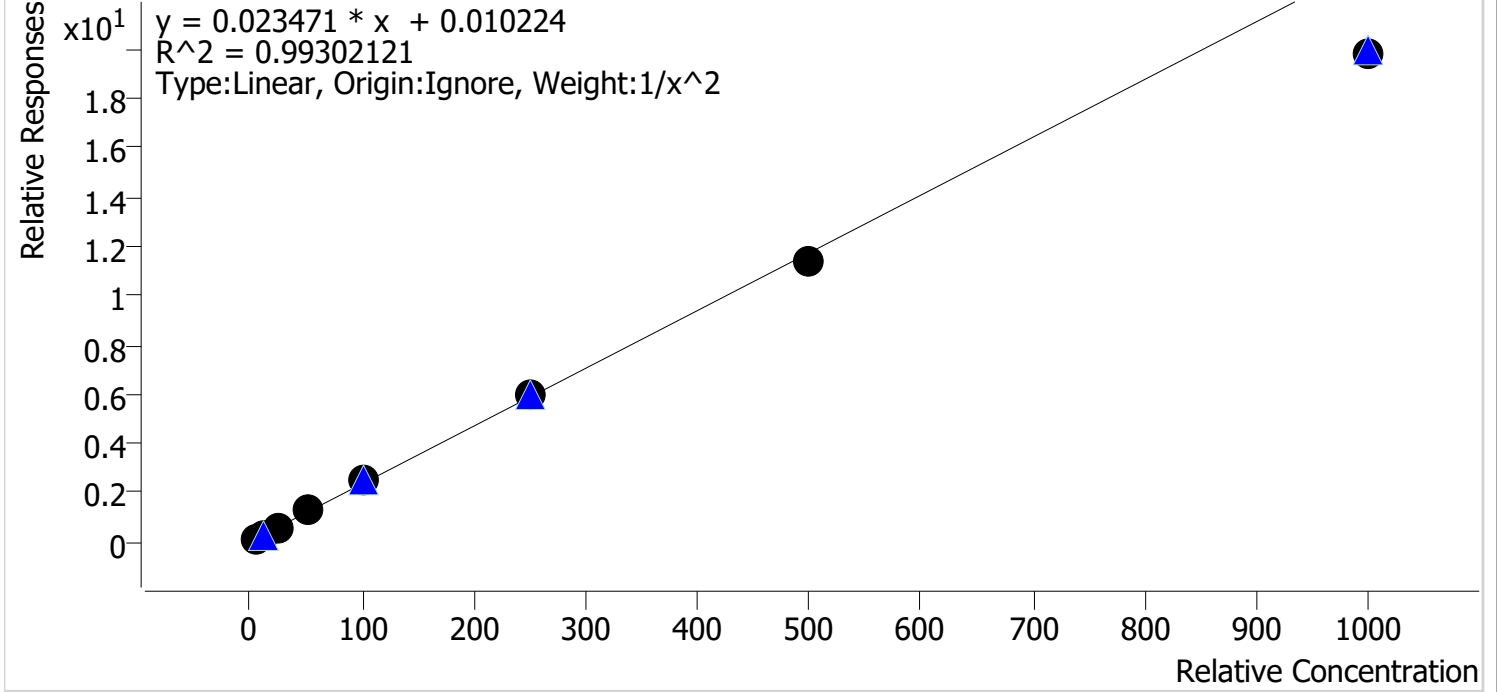
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.0
p1 Cal 2-10ng	2	✓	10.0	9.5	95.0
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	47.5	94.9
p1 Cal 5-100ng	5	✓	100.0	95.9	95.9
p1 Cal 6-250ng	6	✓	250.0	253.3	101.3
p1 Cal 7-500ng	7	✓	500.0	524.7	104.9
p1 Cal 8-1000ng	8	✓	1000.0	1086.5	108.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Last Cal. Update 3/27/2024 3:18 PM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

Zolpidem - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.1
p1 Cal 4-50ng	4	✓	50.0	53.5	107.1
p1 Cal 5-100ng	5	✓	100.0	106.2	106.2
p1 Cal 6-250ng	6	✓	250.0	256.0	102.4
p1 Cal 7-500ng	7	✓	500.0	483.9	96.8
p1 Cal 8-1000ng	8	✓	1000.0	846.3	84.6



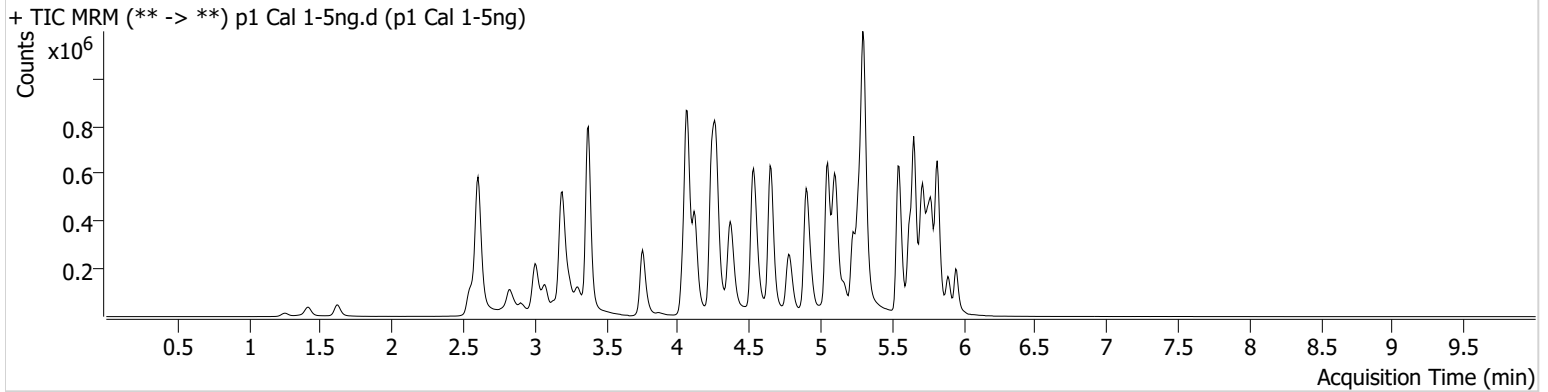
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 3/27/2024 3:18:28 PM

Instrument Falco (069901) Data File p1 Cal 1-5ng.d
Type Cal Sample p1 Cal 1-5ng
Acq. Method AM 28 MDQ P1.m Operator Celena Shrum
Sample Position P2-H12 Comment
Injection Volume 2
Acq. Date-Time 3/15/2024 3:45:02 PM
Sample Info.

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.143	1349	293.69	98.2 High	5044.34	96439	0.4726 ng/ml
7-aminoclonazepam	4.278	28805	40583.12	75.6	56480.85	291816	4.9387 ng/ml
9-hydroxyrisperidone	4.651	4516	3951.70	3627.7	3091.53	1454084	5.1903 ng/ml
a-hydroxyalprazolam	5.705	12268	150.70	62.7	146.46	107179	4.9160 ng/ml
alpha-PHP	4.943	25876	225.23	277.2	1526.37	834911	4.8102 ng/ml
alpha-PVP	4.376	101136	1239.98	47.2	152.32	834911	5.0951 ng/ml
Alprazolam	5.782	50625	739.89	111.0	408.28	456158	5.0965 ng/ml
Amphetamine	3.080	168258	1179.38	48.6	222.66	454137	4.6935 ng/ml
Benzoylcegonine	3.896	2233	255.03	35.1	41.25	15894	4.9827 ng/ml
Bromazolam	5.814	26440	24677.76	109.2	3842.00	231562	4.8818 ng/ml
Buprenorphine	5.833	2525	∞	17.2	287.11	178622	0.5295 ng/ml
Bupropion	4.799	108469	123.72	68.3	2828.05	619049	4.9805 ng/ml
Carisoprodol	5.730	59035	28198.82	59.9	64.92	496545	5.1708 ng/ml
Citalopram	5.227	81080	3691.61	33.6	11860.33	743400	5.1269 ng/ml
Clonazepam	5.618	42939	863.79	36.4	349.71	126388	4.8539 ng/ml
Clonazolam	5.561	40571	50772.85	35.3	12886.37	126388	4.8225 ng/ml
Cocaine	4.271	66734	119.64	54.3	29678.59	1172462	5.1152 ng/ml
Codeine	2.603	7845	137593.28	102.2	15753.01	89054	4.8374 ng/ml
Cyclobenzaprine	5.627	68601	628.56	8.5	424.25	661578	5.1555 ng/ml
Dextromethorphan	5.284	48796	4805.95	85.8	510.99	509823	5.0320 ng/ml
Dextrorphan	4.123	32804	117.40	216.0	1838.92	800002	5.0798 ng/ml
Diazepam	5.954	33709	100.35	95.6	1298.83	331340	4.9671 ng/ml
Dihydrocodeine	2.575	21151	103.36	63.9	13289.81	268629	4.7440 ng/ml
Diphenhydramine	5.305	239074	155.49	29.9	186.45	2425917	5.1246 ng/ml
Doxylamine	4.552	186169	99490.89	99.5	402.37	1801699	5.0993 ng/ml
Duloxetine	5.653	6579	749.03	11.1	19.58	75253	5.0108 ng/ml
EDDP	5.270	69673	87.84	42.0	26275.66	728566	5.0555 ng/ml
Etizolam	5.821	30883	29422.53	26.0	7501.46	126388	5.1864 ng/ml
Fentanyl	5.110	7911	366.70	78.8	3002.03	849190	0.5192 ng/ml
Fluorofentanyl	5.164	19542	315.62	39.2	2891.04	7008	0.4929 ng/ml
Fluoxetine	5.707	70003	470.77	7.6	10435.32	521260	5.0268 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.036	30175	238.70	32.4	19.74	328523	4.8936 ng/ml
Hydromorphone	1.629	21188	1180.28	74.3	29.06	139629	5.0332 ng/ml
Hydroxyzine	5.711	82648	3498.13	72.5	1937.92	509823	5.1999 ng/ml
Ketamine	4.056	68862	3068.28	35.9	∞	594289	4.8437 ng/ml
Lamotrigine	4.287	6846	1070.59	81.2	26.71	1728278	5.0115 ng/ml
Lorazepam	5.754	34335	149.63	46.3	29.44	536503	5.1675 ng/ml
MDA	3.215	90766	928.03	33.8	139.89	654039	4.8012 ng/ml
MDMA	3.309	69172	2048.68	92.8	257.35	161589	5.0967 ng/ml
Meprobamate	4.923	25484	82.59	34.7	69.76	225860	4.7871 ng/ml
Methadone	5.659	143693	429.86	49.5	359.76	1219619	5.1288 ng/ml
Methamphetamine	3.250	148016	588.53	38.9	57.95	1076606	4.8960 ng/ml
Metoprolol	4.333	19416	442.89	104.3	120.31	1496291	4.8739 ng/ml
Mirtazapine	4.641	138178	211225.90	50.0	35707.10	834911	4.9767 ng/ml
Mitragynine	5.239	28854	32955.13	40.4	556.17	1219619	4.8379 ng/ml
Morphine	1.261	4237	148.63	25.7	19.91	15287	4.9730 ng/ml
Norbuprenorphine	5.006	450	118.01	110.7	∞	35968	0.6121 ng/ml
Nordiazepam	5.900	37713	304.55	57.5	5108.73	242368	4.9609 ng/ml
Norfentanyl	4.090	13596	16968.32	38.6	24.83	1369515	0.5025 ng/ml
Norhydrocodone	3.077	6279	54.85	39.8	117.63	83645	5.2719 ng/ml
Noroxycodone	2.927	17845	253.27	50.6	93.96	134780	4.9754 ng/ml
O-desmethyl-tramadol	3.376	163277	9643.47	5.2	104.52	2006702	5.1344 ng/ml
o-desmethylvenlafaxine	4.075	216549	173010.11	17.1	331.83	35287	5.1063 ng/ml
Olanzapine	4.469	23554	526.05	55.4	174.87	122020	5.1835 ng/ml
Oxazepam	5.756	49865	66.86	68.9	56.90	536503	4.8510 ng/ml
Oxycodone	2.852	49768	792.56	29.4	223.80	409782	4.9558 ng/ml
Oxymorphone	1.419	17221	156.90	46.5	98.79	124622	5.0725 ng/ml
Phentermine	3.792	37795	243.38	7.5	84.63	826195	4.7864 ng/ml
Promethazine	5.550	106331	270.78	30.0	138.86	1142543	5.1958 ng/ml
Pseudoephedrine	2.613	185896	49.45	16.9	57.87	1728278	5.1841 ng/ml
Quetiapine	5.560	107299	76803.41	53.8	42362.83	299854	4.8359 ng/ml
Sertraline	5.776	18004	191.20	97.0	24848.06	169894	5.1121 ng/ml
Temazepam	5.824	94684	176.28	27.7	19.54	850841	5.0929 ng/ml
Tramadol	4.252	145567	1109.76	3.7	25.87	1496291	4.8723 ng/ml
Trazodone	5.164	135079	762.11	60.5	158.17	859138	4.8844 ng/ml
Venlafaxine	5.051	132035	1715.58	38.0	319.92	1562533	5.2022 ng/ml
Xylazine	4.090	60479	70294.84	41.6	190.53	575040	5.0699 ng/ml
Zolpidem	4.920	151066	1008.15	28.3	10986.58	1203377	4.9128 ng/ml



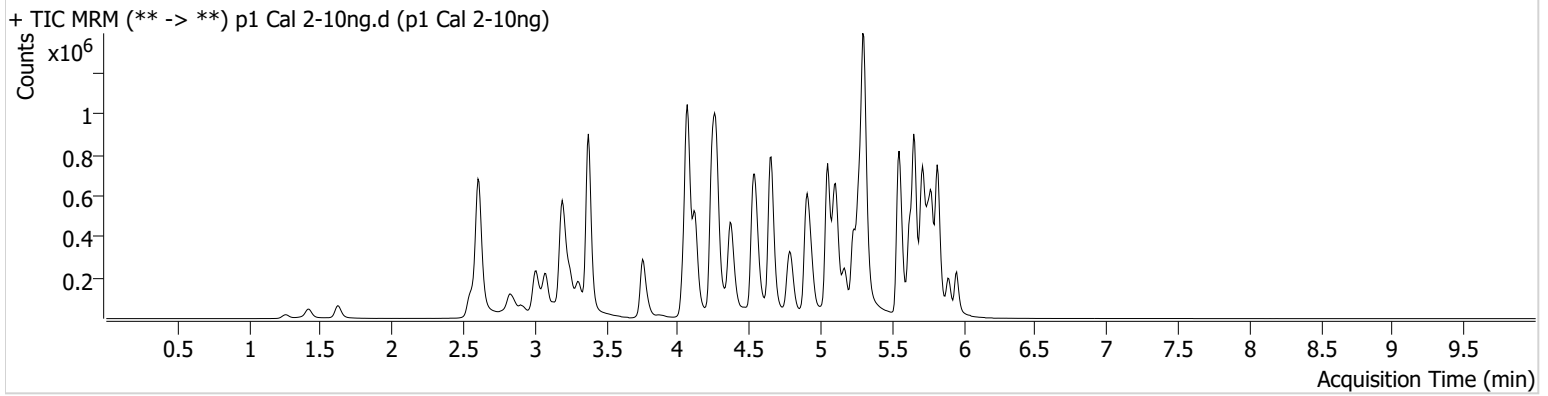
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 3/27/2024 3:18:28 PM

Instrument Falco (069901) **Data File** p1 Cal 2-10ng.d
Type Cal **Sample** p1 Cal 2-10ng
Acq. Method AM 28 MDQ P1.m **Operator** Celena Shrum
Sample Position P2-G12 **Comment**
Injection Volume 2
Acq. Date-Time 3/15/2024 3:55:50 PM
Sample Info.

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.143	3271	952.23	78.9	423.42	99704	1.0077 ng/ml
7-aminoclonazepam	4.278	60766	3986.71	77.1	9352.97	299680	9.9985 ng/ml
9-hydroxyrisperidone	4.658	9102	167.00	3897.6	2106.22	1568640	9.3659 ng/ml
a-hydroxyalprazolam	5.705	21393	295.10	71.5	73.94	102552	9.6776 ng/ml
alpha-PHP	4.943	60423	630.63	256.3	1376.68	885695	10.4847 ng/ml
alpha-PVP	4.376	214595	6671.97	49.6	47768.17	885695	9.7652 ng/ml
Alprazolam	5.782	105114	627.56	112.3	386.90	470811	9.7928 ng/ml
Amphetamine	3.080	350600	3617.90	48.9	246.07	471663	10.5987 ng/ml
Benzoylcegonine	3.896	4666	37.34	44.1	∞	16466	9.8135 ng/ml
Bromazolam	5.821	53406	35335.18	113.5	43250.13	227388	10.3156 ng/ml
Buprenorphine	5.833	5078	125.61	13.3	528.45	192747	0.9207 ng/ml
Bupropion	4.799	236545	393.02	67.6	1659.35	656394	10.0201 ng/ml
Carisoprodol	5.730	120548	1821.17	57.5	2119.39	510902	9.6702 ng/ml
Citalopram	5.234	170855	721.82	35.2	137.56	778586	9.6841 ng/ml
Clonazepam	5.618	81222	524.71	35.8	193.56	124553	10.0415 ng/ml
Clonazolam	5.561	81745	84534.14	35.0	23259.35	124553	10.5132 ng/ml
Cocaine	4.271	132765	193.37	56.0	122.55	1205558	9.5985 ng/ml
Codeine	2.603	17097	66.25	100.4	73.85	93803	10.3306 ng/ml
Cyclobenzaprine	5.627	152874	155550.61	8.3	65.76	727795	9.6940 ng/ml
Dextromethorphan	5.284	109397	1388.98	83.6	176.36	555343	9.9866 ng/ml
Dextrorphan	4.123	70893	1216.64	208.2	799.00	860343	9.8087 ng/ml
Diazepam	5.954	70685	2299.03	90.9	134.22	328428	10.1815 ng/ml
Dihydrocodeine	2.581	47178	3841.59	59.7	52.93	275575	10.6014 ng/ml
Diphenhydramine	5.305	503157	259.14	30.3	3678.77	2588981	9.6441 ng/ml
Doxylamine	4.552	388858	2433.66	100.6	32742.49	1837528	9.7684 ng/ml
Duloxetine	5.653	15416	2157.04	12.7	21.03	89296	9.9336 ng/ml
EDDP	5.270	160019	2611.78	40.7	39941.55	813190	9.9220 ng/ml
Etizolam	5.821	66634	113688.68	24.0	26069.67	124553	9.9769 ng/ml
Fentanyl	5.110	16768	2327.00	85.0	7450.88	954509	0.9306 ng/ml
Fluorofentanyl	5.164	44856	160.52	40.7	2591.01	7462	1.0185 ng/ml
Fluoxetine	5.714	165534	708.07	7.3	12411.98	608604	9.9456 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.036	64262	∞	33.7	127.68	339851	10.0576 ng/ml
Hydromorphone	1.629	46238	1057.74	73.9	432.65	150051	10.0217 ng/ml
Hydroxyzine	5.711	178237	3351.95	73.1	88349.88	555343	9.5697 ng/ml
Ketamine	4.056	143808	2635.48	36.6	467.11	619799	10.2804 ng/ml
Lamotrigine	4.293	13336	186.73	85.7	890.79	1819309	9.5741 ng/ml
Lorazepam	5.754	61937	834.19	59.0	50.38	528902	9.5742 ng/ml
MDA	3.215	186597	1631.38	34.0	90.75	665976	10.3729 ng/ml
MDMA	3.309	144584	949.65	93.3	1186.64	169171	9.7558 ng/ml
Meprobamate	4.930	55984	269.58	31.1	139.37	231661	10.6870 ng/ml
Methadone	5.659	310786	5135.15	49.7	754.91	1288481	9.6938 ng/ml
Methamphetamine	3.250	314360	548.71	38.8	958.87	1166126	10.0916 ng/ml
Metoprolol	4.333	42570	1025.10	98.6	2047.87	1607300	10.2740 ng/ml
Mirtazapine	4.641	286671	1205.48	52.1	1274.65	885695	9.8866 ng/ml
Mitragynine	5.239	71286	134.49	36.1	28420.29	1288481	10.5615 ng/ml
Morphine	1.267	9122	49.74	25.3	91.23	16523	10.0568 ng/ml
Norbuprenorphine	4.999	794	749.95	110.2	1632.58	37289	1.0884 ng/ml
Nordiazepam	5.900	75293	80953.90	57.4	434.04	246517	10.0079 ng/ml
Norfentanyl	4.090	30514	132.14	38.5	13.80	1401932	1.0006 ng/ml
Norhydrocodone	3.084	13681	186.29	34.8	44.40	86187	9.5787 ng/ml
Noroxycodone	2.927	38507	76.85	49.5	408.63	139711	9.9780 ng/ml
O-desmethyl-tramadol	3.383	335890	11822.74	5.5	319.58	2079018	9.6984 ng/ml
o-desmethylvenlafaxine	4.075	447876	60352.97	16.6	428.28	37458	9.7428 ng/ml
Olanzapine	4.469	44307	1052.51	54.4	138.72	112729	9.6540 ng/ml
Oxazepam	5.756	100508	86.40	73.9	73.55	528902	10.2562 ng/ml
Oxycodone	2.859	103187	716.40	28.7	443.40	410513	10.0986 ng/ml
Oxymorphone	1.419	34458	378.90	47.5	81.40	131600	9.6869 ng/ml
Phentermine	3.792	80078	107.61	7.4	28.16	860259	10.3852 ng/ml
Promethazine	5.550	230438	2314.85	32.5	∞	1271000	9.4827 ng/ml
Pseudoephedrine	2.620	392947	124.16	17.2	7622.41	1819309	9.6229 ng/ml
Quetiapine	5.560	224565	17525.59	56.8	330520.15	317275	10.2249 ng/ml
Sertraline	5.782	43370	334.82	104.0	696.50	214736	9.5526 ng/ml
Temazepam	5.824	186224	2282.44	26.6	45.44	841088	9.7143 ng/ml
Tramadol	4.252	316559	123.51	3.6	42.61	1607300	10.1582 ng/ml
Trazodone	5.164	287763	90.75	61.4	174006.49	938783	10.0023 ng/ml
Venlafaxine	5.051	273819	63687.49	40.6	2726.98	1658008	9.5020 ng/ml
Xylazine	4.090	126004	487.98	43.4	477.47	606175	9.7471 ng/ml
Zolpidem	4.927	315340	421628.03	27.8	758.01	1293400	9.9518 ng/ml



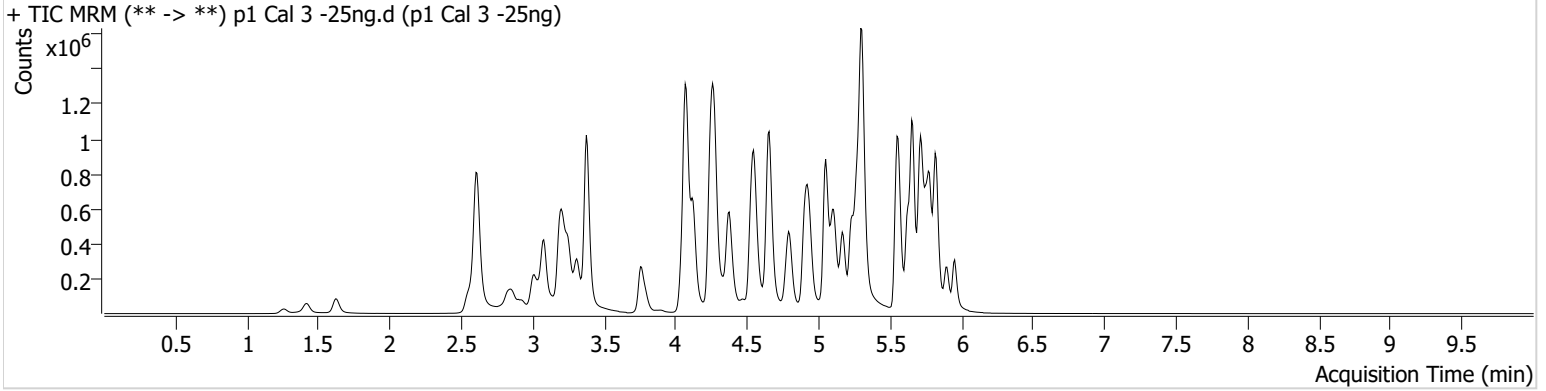
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 3/27/2024 3:18:28 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-F12
Injection Volume 2
Acq. Date-Time 3/15/2024 4:06:27 PM
Sample Info.

Data File p1 Cal 3 -25ng.d
Sample p1 Cal 3 -25ng
Operator Celena Shrum
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.143	7831	14667.21	72.4	98.72	90941	2.5234 ng/ml
7-aminoclonazepam	4.278	137256	4247.08	76.7	2898.75	266567	25.1757 ng/ml
9-hydroxyrisperidone	4.658	21470	418.89	3790.3	2876.71	1371149	24.6268 ng/ml
a-hydroxyalprazolam	5.705	54228	194.39	69.2	246.63	98451	26.9859 ng/ml
alpha-PHP	4.943	136937	204.95	262.4	7052.30	799873	26.1808 ng/ml
alpha-PVP	4.376	496613	13087.25	49.7	321.84	799873	24.3580 ng/ml
Alprazolam	5.782	243725	1238.87	112.3	∞	431445	24.0823 ng/ml
Amphetamine	3.080	773240	13104.08	49.0	796.87	421875	27.8558 ng/ml
Benzoylcegonine	3.896	10811	443.07	35.7	53.94	13627	27.0528 ng/ml
Bromazolam	5.821	118163	26288.28	115.6	202099.50	206600	25.4921 ng/ml
Buprenorphine	5.833	12372	5955.19	15.1	2167.80	175534	2.3342 ng/ml
Bupropion	4.799	539116	25603.40	68.9	13093.44	590723	25.0519 ng/ml
Carisoprodol	5.730	281404	13744.04	60.3	421.84	465212	23.8511 ng/ml
Citalopram	5.227	393362	314.31	35.3	681.19	693705	24.0357 ng/ml
Clonazepam	5.618	199221	1846.75	35.6	75186.53	117953	27.2612 ng/ml
Clonazolam	5.561	183813	18257.97	36.0	65714.27	117953	25.8224 ng/ml
Cocaine	4.271	319509	90.62	54.7	25429.47	1092717	24.9562 ng/ml
Codeine	2.603	38508	60435.80	103.4	565895.70	82776	26.8346 ng/ml
Cyclobenzaprine	5.627	330127	575441.90	7.9	72.72	613796	23.6817 ng/ml
Dextromethorphan	5.284	235680	7012.95	85.1	259.74	483292	24.2060 ng/ml
Dextrorphan	4.123	164228	7856.54	205.8	1632.80	776557	24.5547 ng/ml
Diazepam	5.954	169272	4247.84	93.2	568.96	318877	24.6833 ng/ml
Dihydrocodeine	2.575	109540	221.80	60.7	537.67	254295	27.0441 ng/ml
Diphenhydramine	5.305	1152573	10357.36	29.6	134767.54	2278881	24.3361 ng/ml
Doxylamine	4.552	916976	62408.84	98.9	31451.76	1677475	24.2132 ng/ml
Duloxetine	5.653	28610	969.32	13.4	171.18	67136	24.5771 ng/ml
EDDP	5.270	359094	15102.44	41.8	2592.01	720844	24.4221 ng/ml
Etizolam	5.821	147547	6086.60	24.8	53550.27	117953	21.7774 ng/ml
Fentanyl	5.110	38253	6782.68	71.3	47227.42	777610	2.5077 ng/ml
Fluorofentanyl	5.164	94733	221.98	40.9	3162.31	6288	2.4951 ng/ml
Fluoxetine	5.714	319338	121960.03	7.1	25290.95	467661	24.6222 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.036	154071	189.33	31.7	567.80	307066	26.6620 ng/ml
Hydromorphone	1.629	99695	∞	77.4	1832.21	133848	23.9494 ng/ml
Hydroxyzine	5.711	402939	24949.61	73.0	14369.83	483292	23.6771 ng/ml
Ketamine	4.062	325737	1503.89	36.8	2305.20	566297	26.3440 ng/ml
Lamotrigine	4.293	31407	1040.02	83.4	624.96	1609317	26.0767 ng/ml
Lorazepam	5.754	136340	1885.55	54.5	149.85	470886	23.8822 ng/ml
MDA	3.215	417181	3516.69	33.6	169.88	598491	26.7982 ng/ml
MDMA	3.309	328430	3999.36	95.1	12658.67	150750	24.2160 ng/ml
Meprobamate	4.930	124441	12566.71	32.1	104.14	211055	26.6221 ng/ml
Methadone	5.659	717685	45824.90	49.3	325.60	1124932	24.3737 ng/ml
Methamphetamine	3.250	714103	7006.42	38.5	621.05	1043700	26.4001 ng/ml
Metoprolol	4.333	94874	443.24	102.3	1470.01	1450894	25.8253 ng/ml
Mirtazapine	4.641	662038	68381.49	50.4	82110.41	799873	25.5323 ng/ml
Mitragynine	5.239	153075	936.45	36.8	29335.67	1124932	25.1562 ng/ml
Morphine	1.261	19939	172.95	25.7	614.60	14687	24.9533 ng/ml
Norbuprenorphine	5.006	1511	1693.85	114.5	14.77	32638	2.4461 ng/ml
Nordiazepam	5.900	175040	407.18	59.3	225.76	228667	25.5050 ng/ml
Norfentanyl	4.090	71217	135.18	36.7	123.61	1254323	2.4739 ng/ml
Norhydrocodone	3.077	31176	790.27	36.3	99.07	77847	22.0227 ng/ml
Noroxycodone	2.927	89836	258.23	47.0	400.42	124509	25.5539 ng/ml
O-desmethyl-tramadol	3.383	783378	1763.90	5.5	157.37	1899992	23.9687 ng/ml
o-desmethylvenlafaxine	4.075	1030330	48729.51	17.0	631.78	34178	24.2332 ng/ml
Olanzapine	4.469	91210	285.93	53.3	214.68	89883	23.5505 ng/ml
Oxazepam	5.763	226750	1936.67	69.1	124.92	470886	26.4855 ng/ml
Oxycodone	2.859	240080	1767.07	29.0	195.72	382385	25.0026 ng/ml
Oxymorphone	1.419	75419	403.01	48.5	267.09	112400	24.9553 ng/ml
Phentermine	3.792	181866	567.09	7.0	81.97	780059	26.9495 ng/ml
Promethazine	5.550	507990	376.32	31.4	4688.70	1056368	24.0372 ng/ml
Pseudoephedrine	2.620	901297	119.94	17.2	107.02	1609317	23.7085 ng/ml
Quetiapine	5.560	502783	503.93	58.5	571195.07	285073	26.4848 ng/ml
Sertraline	5.782	81774	153.56	100.3	224.94	152692	24.9828 ng/ml
Temazepam	5.824	428662	345.97	26.6	194.38	748899	24.4432 ng/ml
Tramadol	4.252	725579	163.24	3.1	55.51	1450894	26.2356 ng/ml
Trazodone	5.164	652065	109.26	59.1	200157.29	808189	27.1520 ng/ml
Venlafaxine	5.051	651554	509.82	39.2	480.32	1503811	23.7967 ng/ml
Xylazine	4.090	290767	169443.79	43.3	464.22	535830	24.9949 ng/ml
Zolpidem	4.927	732350	557449.36	27.9	72823.68	1167734	26.2844 ng/ml



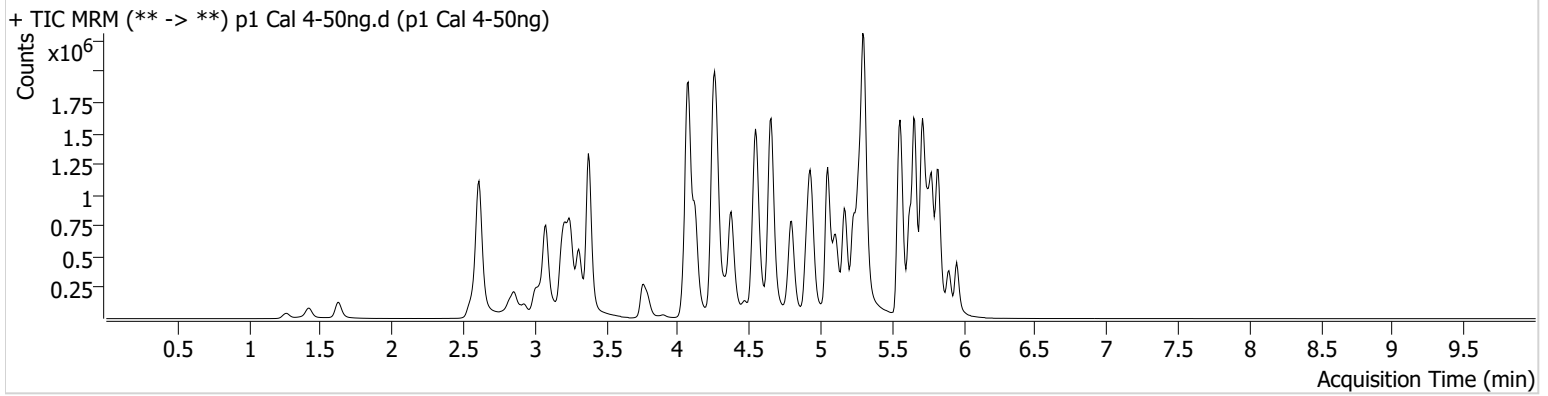
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 3/27/2024 3:18:28 PM

Instrument Falco (069901) **Data File** p1 Cal 4-50ng.d
Type Cal **Sample** p1 Cal 4-50ng
Acq. Method AM 28 MDQ P1.m **Operator** Celena Shrum
Sample Position P2-E12 **Comment**
Injection Volume 2
Acq. Date-Time 3/15/2024 4:17:04 PM
Sample Info.

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.143	14564	21906.84	76.4	329.29	89257	4.7146 ng/ml
7-aminoclonazepam	4.278	261668	3372.01	74.4	5440.54	234427	54.4135 ng/ml
9-hydroxyrisperidone	4.658	43302	4344.90	3850.9	6381.88	1401447	48.2233 ng/ml
a-hydroxyalprazolam	5.698	97583	176.99	65.2	258.42	84474	57.5543 ng/ml
alpha-PHP	4.943	271787	7762.33	261.4	12761.60	792978	52.3280 ng/ml
alpha-PVP	4.376	1004209	811.00	50.0	604.84	792978	49.2403 ng/ml
Alprazolam	5.782	473066	325.10	114.5	3302.77	407024	49.0671 ng/ml
Amphetamine	3.080	1489161	12865.36	48.7	247.00	425667	54.2364 ng/ml
Benzoylcegonine	3.903	21374	1450.26	38.0	976.39	14509	50.0336 ng/ml
Bromazolam	5.821	220109	217564.90	117.6	246445.29	190025	51.8933 ng/ml
Buprenorphine	5.833	25278	4246.90	14.3	3115.96	170080	4.8370 ng/ml
Bupropion	4.799	1106018	1975.57	68.0	113317.92	588573	51.3588 ng/ml
Carisoprodol	5.730	515770	799999.74	62.4	6325.51	431102	46.5863 ng/ml
Citalopram	5.227	801222	738.55	34.6	357.00	682710	49.0784 ng/ml
Clonazepam	5.618	362579	33193.73	36.2	372.00	108816	54.5481 ng/ml
Clonazolam	5.561	342154	27728.07	35.4	86829.44	108816	52.7392 ng/ml
Cocaine	4.271	625069	49412.04	55.5	13534.87	1082393	48.9771 ng/ml
Codeine	2.603	72796	97.99	104.2	54.82	83479	50.5641 ng/ml
Cyclobenzaprine	5.627	692205	197.54	7.9	2128.03	635007	47.2467 ng/ml
Dextromethorphan	5.284	494030	77691.88	82.8	163.38	484793	50.2022 ng/ml
Dextrorphan	4.123	322867	5853.82	209.9	13978.28	764528	48.6388 ng/ml
Diazepam	5.954	334946	479.87	91.4	2690.80	307120	50.4030 ng/ml
Dihydrocodeine	2.575	213471	7616.05	62.8	4849.02	255468	52.6907 ng/ml
Diphenhydramine	5.305	2339644	112858.70	30.1	114.53	2274222	49.0103 ng/ml
Doxylamine	4.552	1888085	628.76	97.9	1658.76	1708797	48.2841 ng/ml
Duloxetine	5.653	60509	1477.14	12.8	505.08	67499	51.7434 ng/ml
EDDP	5.270	716397	9145.25	41.6	134.57	713766	48.7443 ng/ml
Etizolam	5.821	287745	92181.90	24.3	75648.19	108816	44.7455 ng/ml
Fentanyl	5.110	77947	121.76	79.6	111.20	808344	4.8632 ng/ml
Fluorofentanyl	5.164	196739	3192.93	40.8	3729.22	6299	5.1320 ng/ml
Fluoxetine	5.707	677642	28031.13	7.7	∞	483336	50.3127 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.036	294524	3058.25	33.9	103.16	295932	52.8697 ng/ml
Hydromorphone	1.629	204134	7322.44	75.6	4377.44	131045	49.8762 ng/ml
Hydroxyzine	5.711	823868	24720.81	75.4	134069.02	484793	47.4928 ng/ml
Ketamine	4.056	648305	826.36	35.8	1350.47	566202	53.0151 ng/ml
Lamotrigine	4.293	63912	11680.53	84.5	89491.23	1579239	54.4555 ng/ml
Lorazepam	5.754	236584	2781.91	53.5	8841.69	386775	50.6129 ng/ml
MDA	3.215	799731	142.95	33.6	6262.09	581504	53.5212 ng/ml
MDMA	3.309	667013	7757.82	94.1	3659.36	148637	49.4335 ng/ml
Meprobamate	4.930	220912	212.13	34.2	1201.83	201578	49.8089 ng/ml
Methadone	5.659	1439064	904.86	50.0	13371.97	1140773	47.4419 ng/ml
Methamphetamine	3.250	1420767	861.21	39.0	156.56	1058699	52.2729 ng/ml
Metoprolol	4.333	189992	206484.79	101.7	3229.02	1439732	52.4366 ng/ml
Mirtazapine	4.641	1346038	282080.85	50.3	35613.67	792978	52.5321 ng/ml
Mitragynine	5.239	316429	354497.82	36.9	150768.72	1140773	50.6962 ng/ml
Morphine	1.267	40426	213.81	24.6	1911.69	14647	50.8862 ng/ml
Norbuprenorphine	4.999	2649	155.99	120.2	646.70	33977	4.1641 ng/ml
Nordiazepam	5.900	332469	1941.05	58.0	3268.23	218702	50.9280 ng/ml
Norfentanyl	4.090	135907	5134.39	37.6	1006.52	1178654	4.9368 ng/ml
Norhydrocodone	3.077	64319	199.14	36.9	97.39	75244	45.4094 ng/ml
Noroxycodone	2.927	175569	311.90	48.4	455.80	119792	51.5464 ng/ml
O-desmethyl-tramadol	3.383	1586796	41160.40	5.5	12969.62	1895569	48.1448 ng/ml
o-desmethylvenlafaxine	4.075	2054679	19366.21	16.7	1867.85	34026	48.3246 ng/ml
Olanzapine	4.469	187472	4870.02	53.8	401.59	91096	46.8673 ng/ml
Oxazepam	5.756	371711	3016.09	70.2	1285.40	386775	53.1817 ng/ml
Oxycodone	2.852	487181	617.36	29.3	863.71	375020	51.5747 ng/ml
Oxymorphone	1.419	147667	∞	48.5	∞	108782	50.5725 ng/ml
Phentermine	3.792	359193	225.05	7.0	95.45	779205	53.8943 ng/ml
Promethazine	5.550	1060448	16949.46	32.3	562.99	1097711	47.6082 ng/ml
Pseudoephedrine	2.620	1786457	53036.45	17.2	79.11	1579239	47.0913 ng/ml
Quetiapine	5.560	1032052	90827.51	57.2	209282.21	290389	54.0543 ng/ml
Sertraline	5.782	168510	250.35	102.3	4836.78	158235	49.4701 ng/ml
Temazepam	5.824	781228	598.43	26.0	498.55	663080	49.8653 ng/ml
Tramadol	4.252	1483128	145.82	3.7	141.28	1439732	54.3475 ng/ml
Trazodone	5.164	1314223	244.95	61.5	127564.89	845530	52.7754 ng/ml
Venlafaxine	5.051	1326420	8524.89	38.0	351.09	1511878	47.4720 ng/ml
Xylazine	4.090	573788	216095.34	45.3	2867.05	532962	49.3142 ng/ml
Zolpidem	4.927	1498810	2982820.22	27.1	20058.55	1183031	53.5419 ng/ml



AM #28 Multi-Drug Quant. Results

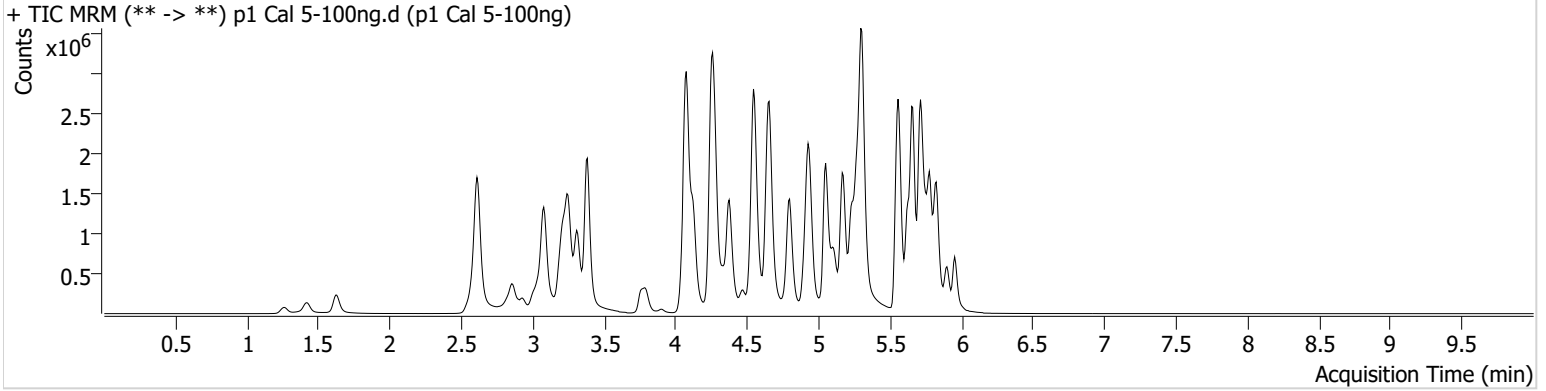
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Calibration Last Update 3/27/2024 3:18:28 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-D12
Injection Volume 2
Acq. Date-Time 3/15/2024 4:27:40 PM
Sample Info.

Data File p1 Cal 5-100ng.d
Sample p1 Cal 5-100ng
Operator Celena Shrum
Comment

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.143	30792	44587.53	73.7	19125.09	89583	9.8485 ng/ml
7-aminoclonazepam	4.278	478662	7081.74	74.1	87.51	219688	106.0826 ng/ml
9-hydroxyrisperidone	4.658	88069	545.59	3760.2	6391.77	1389796	98.5000 ng/ml
a-hydroxyalprazolam	5.698	165088	218.60	68.0	133.34	76286	108.5828 ng/ml
alpha-PHP	4.943	527665	730.06	257.6	43638.34	784294	102.6348 ng/ml
alpha-PVP	4.376	1983197	91612.07	50.8	31519.47	784294	97.8960 ng/ml
Alprazolam	5.782	885695	1380.45	112.2	1057.15	376736	98.7864 ng/ml
Amphetamine	3.080	2846577	68528.71	46.5	195.28	417189	106.8979 ng/ml
Benzoylcegonine	3.903	48570	214.71	35.8	673.42	17773	92.6146 ng/ml
Bromazolam	5.821	381890	304774.44	117.4	305534.23	168892	101.5474 ng/ml
Buprenorphine	5.833	49155	3396.11	15.4	5753.72	170696	9.2998 ng/ml
Bupropion	4.799	2167356	45579.56	69.5	13071.53	596963	99.0315 ng/ml
Carisoprodol	5.730	900309	15468.15	61.6	16096.57	371892	93.6513 ng/ml
Citalopram	5.227	1568605	277.01	34.5	1867.04	662104	98.4389 ng/ml
Clonazepam	5.618	604634	9058.81	37.1	221429.70	95308	104.5683 ng/ml
Clonazolam	5.561	562180	209286.19	36.6	165833.45	95308	99.4825 ng/ml
Cocaine	4.271	1218240	324.02	56.2	112624.35	1050601	98.0214 ng/ml
Codeine	2.596	137746	4566.49	100.0	11764.06	76746	104.3898 ng/ml
Cyclobenzaprine	5.627	1405397	226.59	7.8	2138.05	609617	99.1064 ng/ml
Dextromethorphan	5.284	982203	27810.22	81.5	35640.84	485176	99.3855 ng/ml
Dextrorphan	4.123	625451	31451.84	208.6	39083.47	725582	98.8677 ng/ml
Diazepam	5.954	638138	290.64	90.8	653.60	296814	99.0778 ng/ml
Dihydrocodeine	2.575	415013	11457.10	62.5	183.95	253750	103.3639 ng/ml
Diphenhydramine	5.305	4577036	133888.86	30.7	363.68	2214532	97.9834 ng/ml
Doxylamine	4.545	3897789	999.29	98.6	60547.22	1693253	99.8955 ng/ml
Duloxetine	5.653	118210	2423.28	13.6	717.32	67549	101.0479 ng/ml
EDDP	5.270	1405420	9786.55	41.5	204.15	681034	99.7421 ng/ml
Etizolam	5.821	533872	25699.67	24.1	61157.37	95308	93.4892 ng/ml
Fentanyl	5.110	164275	145.64	78.6	63.26	857657	9.6061 ng/ml
Fluorofentanyl	5.164	424197	6182.56	39.6	31818.03	6587	10.5410 ng/ml
Fluoxetine	5.714	1268132	20843.79	7.5	148006.27	458182	99.1001 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.036	571602	146.52	35.0	1179.12	304737	99.6286 ng/ml
Hydromorphone	1.629	420314	16918.69	75.0	667108.28	132993	100.9916 ng/ml
Hydroxyzine	5.711	1596757	39915.69	77.2	1292949.32	485176	91.2812 ng/ml
Ketamine	4.056	1239996	85729.30	36.0	3801.77	550082	104.9342 ng/ml
Lamotrigine	4.293	118911	941.19	86.3	108213.45	1520281	105.5751 ng/ml
Lorazepam	5.747	331821	5686.57	52.9	333.93	300286	91.5479 ng/ml
MDA	3.215	1436132	14312.88	33.5	5342.20	541602	103.8115 ng/ml
MDMA	3.309	1332295	102236.53	94.1	151.63	147300	99.2074 ng/ml
Meprobamate	4.930	374882	6098.96	32.3	4826.19	187300	91.2823 ng/ml
Methadone	5.659	2874907	531.66	49.6	2008.78	1099190	97.5368 ng/ml
Methamphetamine	3.250	2879873	674.18	37.8	10705.58	1083723	104.0111 ng/ml
Metoprolol	4.333	378148	374579.59	101.6	7356.18	1471832	102.3870 ng/ml
Mirtazapine	4.641	2611743	56914.73	50.0	1028.34	784294	103.2122 ng/ml
Mitragynine	5.239	633616	478301.96	36.5	304409.06	1099190	104.7484 ng/ml
Morphine	1.261	83353	291.47	24.7	2363.19	15150	101.5871 ng/ml
Norbuprenorphine	4.999	5488	1804.06	121.5	9708.36	33858	8.7324 ng/ml
Nordiazepam	5.900	591797	1644.21	59.6	5108.32	192766	103.1356 ng/ml
Norfentanyl	4.090	237538	192.47	38.6	547.30	1067127	9.4514 ng/ml
Norhydrocodone	3.084	131497	1474.90	38.8	92.81	71808	95.6718 ng/ml
Noroxycodone	2.927	335369	6390.71	47.0	4187.16	119890	98.0632 ng/ml
O-desmethyl-tramadol	3.383	3223853	112267.56	5.6	304.45	1878289	98.1854 ng/ml
o-desmethylvenlafaxine	4.075	3850255	77020.68	16.7	123.52	30839	99.6800 ng/ml
Olanzapine	4.469	432173	970.48	53.7	1925.57	103452	94.2431 ng/ml
Oxazepam	5.756	541524	6893.87	72.1	1156.97	300286	100.0760 ng/ml
Oxycodone	2.852	964311	70207.26	29.4	10406.35	373404	102.3809 ng/ml
Oxymorphone	1.419	292213	∞	48.7	∞	107811	101.0615 ng/ml
Phentermine	3.792	691641	10222.98	7.0	208.54	772650	105.2437 ng/ml
Promethazine	5.550	2147794	1113.91	31.8	7980.44	1094992	95.9684 ng/ml
Pseudoephedrine	2.620	3451439	68213.43	17.1	107.62	1520281	93.7228 ng/ml
Quetiapine	5.560	1976326	∞	58.2	1009.59	288491	104.8178 ng/ml
Sertraline	5.782	328023	217.52	98.3	626.17	148361	102.4815 ng/ml
Temazepam	5.831	1232843	674.42	26.3	258.91	526314	98.7222 ng/ml
Tramadol	4.252	2729568	∞	3.8	292.90	1471832	98.0703 ng/ml
Trazodone	5.164	2622197	279361.63	63.4	244.56	852018	104.9932 ng/ml
Venlafaxine	5.051	2649651	257058.70	38.5	44090.70	1483878	95.8976 ng/ml
Xylazine	4.090	1133171	2340.02	46.9	3361.86	520386	99.4581 ng/ml
Zolpidem	4.927	2999956	7504308.63	27.4	467429.02	1198743	106.1874 ng/ml



AM #28 Multi-Drug Quant. Results

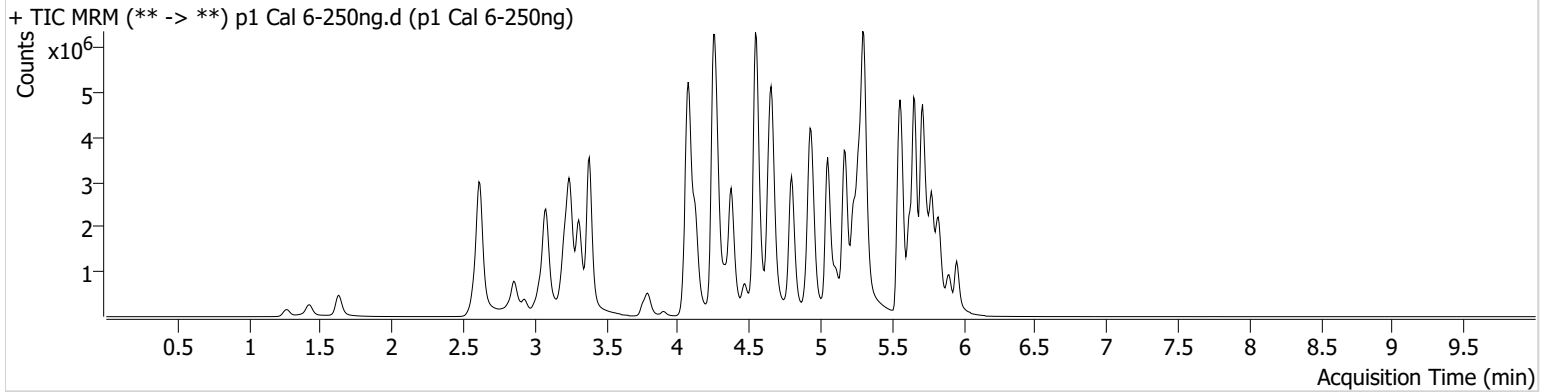
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Calibration Last Update 3/27/2024 3:18:28 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-C12
Injection Volume 2
Acq. Date-Time 3/15/2024 4:38:17 PM
Sample Info.

Data File p1 Cal 6-250ng.d
Sample p1 Cal 6-250ng
Operator Celena Shrum
Comment

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.143	72210	103.16	70.9	71773.79	80192	25.6794 ng/ml
7-aminoclonazepam	4.278	734137	26332.53	75.0	3175.02	138822	257.2793 ng/ml
9-hydroxyrisperidone	4.658	197848	84334.78	3897.6	24515.45	1196963	256.3179 ng/ml
a-hydroxyalprazolam	5.698	254237	691.32	70.8	673.29	53568	239.1751 ng/ml
alpha-PHP	4.943	1140936	4987.36	252.7	88484.54	723801	240.3525 ng/ml
alpha-PVP	4.376	4660473	38190.58	50.7	206438.94	723801	248.6226 ng/ml
Alprazolam	5.782	1757526	556.99	108.9	2704.98	288402	255.3432 ng/ml
Amphetamine	3.080	5546977	49689.51	46.2	25783.62	377686	231.4476 ng/ml
Benzoylcegonine	3.903	112102	283.65	36.7	778.32	15446	245.5614 ng/ml
Bromazolam	5.814	664756	6274.41	120.1	1930.97	121195	246.6993 ng/ml
Buprenorphine	5.833	107882	149423.09	14.8	27876.01	143206	24.2048 ng/ml
Bupropion	4.799	5148867	178024.82	68.2	70560.08	550408	254.8297 ng/ml
Carisoprodol	5.730	1567756	55642.08	60.2	8063.79	236146	255.7776 ng/ml
Citalopram	5.227	3357482	116357.16	34.9	696297.13	550158	252.5913 ng/ml
Clonazepam	5.618	965147	26880.61	36.0	985.48	65993	242.0958 ng/ml
Clonazolam	5.561	878946	428490.56	37.3	285361.47	65993	225.4176 ng/ml
Cocaine	4.271	2677364	49577.65	56.2	4138853.23	899589	251.0866 ng/ml
Codeine	2.596	269925	7479.27	99.2	306.52	67725	232.1756 ng/ml
Cyclobenzaprine	5.627	2896806	431.53	7.5	4089.63	500194	247.8614 ng/ml
Dextromethorphan	5.277	2018403	16904.62	79.0	59213.15	387648	255.0681 ng/ml
Dextrorphan	4.123	1340398	46297.07	209.9	14266.46	609174	251.7569 ng/ml
Diazepam	5.954	1328916	11529.20	92.0	310.73	249801	244.7280 ng/ml
Dihydrocodeine	2.575	902143	486.04	63.7	18265.68	240594	237.2911 ng/ml
Diphenhydramine	5.305	10196676	161800.31	29.6	19661.67	1861837	258.8533 ng/ml
Doxylamine	4.545	9690251	154032.72	95.5	187717.30	1587838	263.7734 ng/ml
Duloxetine	5.653	202444	4974.76	13.1	1519.44	45189	258.7409 ng/ml
EDDP	5.270	3203211	∞	41.9	1210.22	628648	245.6069 ng/ml
Etizolam	5.814	1073810	2762.59	24.6	235330.50	65993	269.3665 ng/ml
Fentanyl	5.110	380713	464.81	77.5	411030.35	764525	24.8871 ng/ml
Fluorofentanyl	5.164	870638	9147.21	41.0	14353.90	5469	25.9998 ng/ml
Fluoxetine	5.707	2193135	249575.73	7.3	157751.47	309811	253.1070 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.036	1318151	∞	35.5	877.66	274985	254.5839 ng/ml
Hydromorphone	1.629	967343	3808300.73	74.1	2206528.18	121798	253.5013 ng/ml
Hydroxyzine	5.704	3539594	79044.51	80.4	868.35	387648	251.9415 ng/ml
Ketamine	4.056	2552205	84099.54	36.5	5036.35	496863	239.8546 ng/ml
Lamotrigine	4.293	233990	22942.78	87.8	95220.45	1245791	254.0167 ng/ml
Lorazepam	5.747	459758	6105.60	53.2	523.38	163714	232.8816 ng/ml
MDA	3.215	2639222	52822.11	33.4	18687.85	434088	238.8913 ng/ml
MDMA	3.309	2947987	25416.13	95.0	12837.50	126396	255.1556 ng/ml
Meprobamate	4.930	626895	8179.86	31.5	13375.82	152213	188.2356 ng/ml
Methadone	5.659	6561737	173935.93	48.5	146113.01	965840	252.1263 ng/ml
Methamphetamine	3.250	6281577	22100.22	37.7	1513.11	1010606	243.9678 ng/ml
Metoprolol	4.333	782826	2150873.88	106.0	35159.88	1257967	248.4369 ng/ml
Mirtazapine	4.641	5784370	146026.76	49.0	95207.96	723801	247.9197 ng/ml
Mitragynine	5.239	1315032	213367.95	36.6	554754.86	965840	246.6492 ng/ml
Morphine	1.267	184380	705.75	24.1	153.70	13048	261.1543 ng/ml
Norbuprenorphine	4.999	14497	53737.94	98.2	8398.05	31297	25.0788 ng/ml
Nordiazepam	5.900	1117575	303.04	57.8	505.42	145829	257.8728 ng/ml
Norfentanyl	4.097	441977	90.19	37.8	756.00	741313	25.1727 ng/ml
Norhydrocodone	3.077	306413	∞	40.3	193.14	63009	251.7361 ng/ml
Noroxycodone	2.927	730711	654.52	48.3	8187.71	104519	244.5604 ng/ml
O-desmethyl-tramadol	3.383	7637122	210105.78	5.6	435.36	1702983	255.7267 ng/ml
o-desmethylvenlafaxine	4.075	7657617	71782.09	16.8	780.12	23507	259.7372 ng/ml
Olanzapine	4.469	1162745	813.71	54.6	1061.00	103999	250.7666 ng/ml
Oxazepam	5.756	714396	5764.42	72.1	∞	163714	242.6188 ng/ml
Oxycodone	2.852	2236652	2376.74	29.8	1349.79	357089	248.1038 ng/ml
Oxymorphone	1.419	658734	∞	48.1	∞	101274	242.6469 ng/ml
Phentermine	3.792	1425400	∞	6.9	5003.58	708022	237.4740 ng/ml
Promethazine	5.544	4861511	2632.75	31.0	12838.94	944086	250.8491 ng/ml
Pseudoephedrine	2.620	7698280	105.15	16.6	142616.11	1245791	253.7600 ng/ml
Quetiapine	5.560	4175493	369.78	60.0	3816.42	249662	256.8686 ng/ml
Sertraline	5.776	573138	173.88	98.0	1009640.03	104173	254.7026 ng/ml
Temazepam	5.831	1860391	12675.49	24.9	4020.47	300192	260.4946 ng/ml
Tramadol	4.252	6215417	∞	3.4	∞	1257967	261.7562 ng/ml
Trazodone	5.171	5581575	110539.23	67.6	129233.83	810097	235.6780 ng/ml
Venlafaxine	5.051	6213883	231968.63	37.4	2767.79	1311584	253.2869 ng/ml
Xylazine	4.090	2450374	98879.25	49.4	34077.44	442312	252.5992 ng/ml
Zolpidem	4.927	6821699	134471.31	26.5	12626.21	1133231	256.0343 ng/ml



AM #28 Multi-Drug Quant. Results

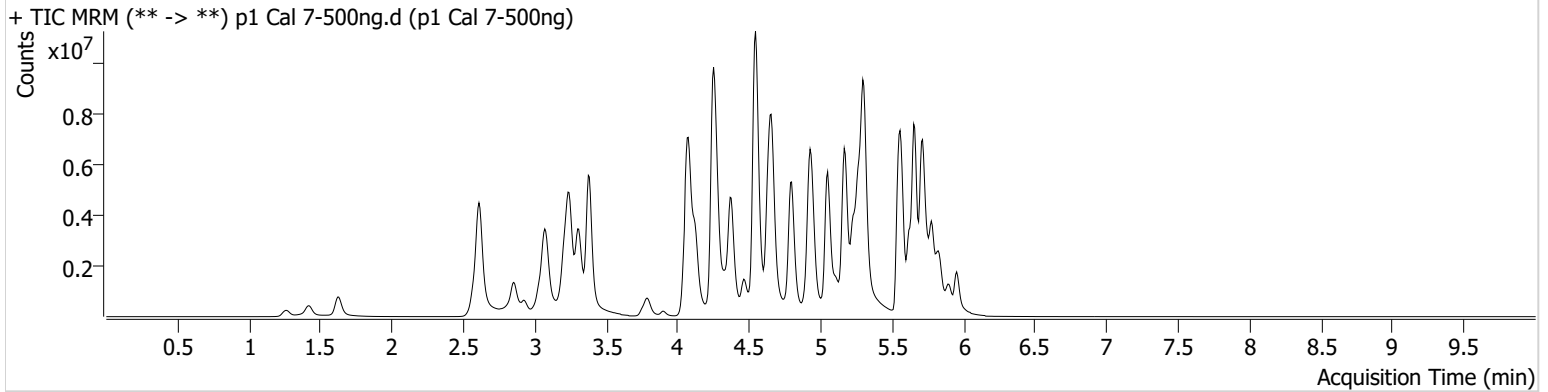
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Calibration Last Update 3/27/2024 3:18:28 PM

Instrument Falco (069901)
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-B12
Injection Volume 2
Acq. Date-Time 3/15/2024 4:48:54 PM
Sample Info.

Data File p1 Cal 7-500ng.d
Sample p1 Cal 7-500ng
Operator Celena Shrum

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.143	128755	15333.31	72.3	1566.66	72596	50.5061 ng/ml
7-aminoclonazepam	4.278	821649	13004.47	74.5	7182.61	92207	433.4279 ng/ml
9-hydroxyrisperidone	4.658	328749	821.93	4132.1	19448.68	997841	510.5157 ng/ml
a-hydroxyalprazolam	5.692	303883	490.79	69.9	89.87	33141	462.9076 ng/ml
alpha-PHP	4.943	1860949	42920.87	259.2	56124.41	624941	453.9713 ng/ml
alpha-PVP	4.376	8395431	89589.74	50.8	238057.72	624941	518.2580 ng/ml
Alprazolam	5.775	2614355	403.29	106.4	162.33	209891	521.4299 ng/ml
Amphetamine	3.074	8202292	105289.92	46.5	41372.32	320761	403.8479 ng/ml
Benzoylcegonine	3.896	221775	463.94	36.4	714.47	14429	519.7925 ng/ml
Bromazolam	5.814	916733	621697.55	120.2	1228867.40	83199	495.8471 ng/ml
Buprenorphine	5.833	186822	1864.85	14.5	25822.67	113979	52.5739 ng/ml
Bupropion	4.799	9332400	496659.39	66.8	194225.77	504406	503.7995 ng/ml
Carisoprodol	5.730	2029026	1097900.45	58.9	35236.23	147790	528.2982 ng/ml
Citalopram	5.227	5182984	334697.75	34.4	509616.90	412514	519.3749 ng/ml
Clonazepam	5.611	1131271	14270.80	36.9	2372.50	45208	414.7896 ng/ml
Clonazolam	5.568	947105	379513.94	38.2	309026.72	45208	354.9301 ng/ml
Cocaine	4.271	4452227	1166.09	55.7	36275.14	742411	505.6094 ng/ml
Codeine	2.596	403756	116.94	98.4	168.82	49959	471.1002 ng/ml
Cyclobenzaprine	5.627	4940603	57262.97	7.2	414.84	403075	523.7762 ng/ml
Dextromethorphan	5.277	3140586	23323.67	79.0	46610.57	302689	507.9299 ng/ml
Dextrorphan	4.123	2203630	651.25	212.9	126025.43	498422	505.4617 ng/ml
Diazepam	5.954	2173388	370.74	90.3	∞	199892	499.8705 ng/ml
Dihydrocodeine	2.568	1491047	88146.99	64.1	36564.53	216353	436.3373 ng/ml
Diphenhydramine	5.305	16667697	98006.59	30.3	31816.96	1498842	525.1115 ng/ml
Doxylamine	4.545	17987386	243491.18	94.3	1195.61	1457429	532.7781 ng/ml
Duloxetine	5.647	291095	2098.56	13.5	491.03	32833	512.0927 ng/ml
EDDP	5.270	5735462	314782.71	40.6	61830.20	542246	509.3516 ng/ml
Etizolam	5.814	1624140	25449.89	25.1	288331.01	45208	593.3301 ng/ml
Fentanyl	5.110	755063	1047.29	76.5	346347.15	745362	50.5708 ng/ml
Fluorofentanyl	5.164	1526590	63748.62	41.5	18393.12	5278	47.2099 ng/ml
Fluoxetine	5.714	3296246	84331.45	7.4	17053.81	239059	492.7848 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.029	2360028	∞	34.7	2619.57	260880	480.4384 ng/ml
Hydromorphone	1.629	1687846	4515027.91	76.0	2666213.06	105883	508.6044 ng/ml
Hydroxyzine	5.704	5938885	330721.08	82.0	36421.31	302689	540.5181 ng/ml
Ketamine	4.048	4026305	3208.30	35.8	749.90	427567	440.1984 ng/ml
Lamotrigine	4.293	315536	3211.65	88.9	92.76	1021094	418.1491 ng/ml
Lorazepam	5.747	555825	54609.26	53.2	2898.45	89861	513.1019 ng/ml
MDA	3.208	3895184	1577.59	32.5	2312.14	353727	433.2155 ng/ml
MDMA	3.309	4815478	89492.32	100.2	416.99	103317	509.4767 ng/ml
Meprobamate	4.923	753748	12462.89	32.8	5858.50	117617	293.1085 ng/ml
Methadone	5.659	11345485	203533.84	47.6	58933.51	799799	525.5998 ng/ml
Methamphetamine	3.243	10891866	99591.50	36.6	197.95	957110	447.0946 ng/ml
Metoprolol	4.333	1232443	104301.10	104.7	201232.17	1095865	449.2354 ng/ml
Mirtazapine	4.634	10014736	265022.13	47.6	113613.20	624941	497.2968 ng/ml
Mitragynine	5.239	2208593	131062.41	36.0	180439.67	799799	499.6680 ng/ml
Morphine	1.261	313560	1263.46	24.5	3522.69	11928	485.9592 ng/ml
Norbuprenorphine	4.999	24983	29861.53	106.2	109.78	28156	48.1025 ng/ml
Nordiazepam	5.900	1388962	49440.27	60.3	10291.14	97344	480.3662 ng/ml
Norfentanyl	4.090	589462	36683.47	38.9	865.62	466365	53.2707 ng/ml
Norhydrocodone	3.077	566861	2366.00	39.5	∞	52754	554.5291 ng/ml
Noroxycodone	2.927	1241363	6716.90	49.0	518.80	87981	493.2125 ng/ml
O-desmethyl-tramadol	3.383	13610411	194870.05	5.5	23356.55	1482162	523.1114 ng/ml
o-desmethylvenlafaxine	4.068	10993304	176160.57	16.6	23011.91	16541	529.6805 ng/ml
Olanzapine	4.462	2412375	3213.43	56.2	3150.60	99583	542.3324 ng/ml
Oxazepam	5.756	765947	4186.11	70.6	2784.42	89861	474.2218 ng/ml
Oxycodone	2.852	4071322	4333.97	29.3	2022.22	326175	494.2731 ng/ml
Oxymorphone	1.419	1209607	∞	44.5	516.99	85376	528.6302 ng/ml
Phentermine	3.792	2275045	∞	6.8	6442.53	635144	423.0024 ng/ml
Promethazine	5.544	9058245	1761.85	30.0	2562.15	806720	546.1874 ng/ml
Pseudoephedrine	2.613	13043196	144392.66	16.2	42179.78	1021094	523.7242 ng/ml
Quetiapine	5.560	6457788	629124.46	60.4	144347.06	213257	465.6351 ng/ml
Sertraline	5.776	820159	∞	95.5	6999.94	83006	457.2504 ng/ml
Temazepam	5.831	2045227	82473.08	26.5	277.07	165302	519.6436 ng/ml
Tramadol	4.245	10018876	∞	3.6	77.24	1095865	484.5925 ng/ml
Trazodone	5.164	10058164	119532.53	69.1	138.63	775086	444.3287 ng/ml
Venlafaxine	5.051	11373012	46024.86	35.1	16471.00	1157084	524.7310 ng/ml
Xylazine	4.083	4237085	20311.39	49.3	18806.36	383542	503.4342 ng/ml
Zolpidem	4.920	11856735	159167.37	25.8	144902.83	1043079	483.8596 ng/ml



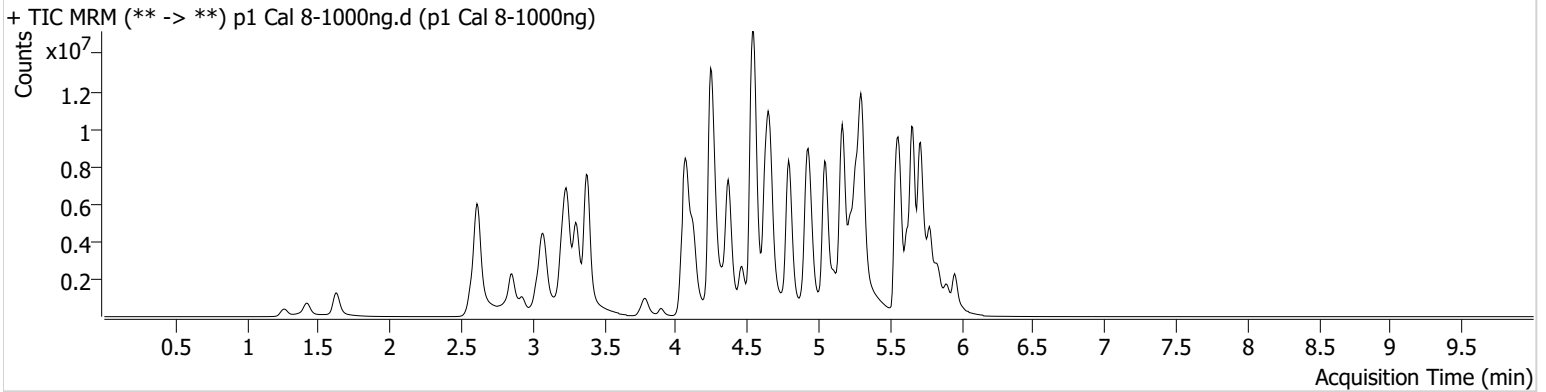
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\031424 AM 27 28 CS\QuantResults\AM 28.batch.bin
Calibration Last Update 3/27/2024 3:18:28 PM

Instrument Falco (069901) Data File p1 Cal 8-1000ng.d
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Acq. Method AM 28 MDQ P1.m Operator Celena Shrum
Sample Position P2-A12 Comment
Injection Volume 2
Acq. Date-Time 3/15/2024 4:59:31 PM
Sample Info.

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.143	222356	502633.81	71.5	282438.34	62163	101.7848 ng/ml
7-aminoclonazepam	4.278	888067	17269.02	73.1	19228.54	44973	960.3045 ng/ml
9-hydroxyrisperidone	4.658	507817	310768.99	4099.2	11680.46	753064	1044.5151 ng/ml
a-hydroxyalprazolam	5.692	341153	707.45	68.0	359.00	20275	850.1876 ng/ml
alpha-PHP	4.943	2624175	37137.18	258.5	123978.68	516843	773.9855 ng/ml
alpha-PVP	4.369	13876882	∞	50.7	115359.12	516843	1035.3730 ng/ml
Alprazolam	5.782	3116245	385.84	106.1	350.92	129790	1004.6939 ng/ml
Amphetamine	3.074	11085694	138116.16	46.6	158.61	267928	654.1718 ng/ml
Benzoylcegonine	3.896	470121	456.71	36.4	56544.59	16034	991.3628 ng/ml
Bromazolam	5.814	1067925	473118.67	119.5	538895.40	51107	940.5585 ng/ml
Buprenorphine	5.840	290754	442180.61	14.1	2335.17	79669	116.9635 ng/ml
Bupropion	4.792	15439531	1246999.32	67.2	387848.73	439954	955.3998 ng/ml
Carisoprodol	5.730	2309009	39107.79	60.1	11830.85	80960	1096.8197 ng/ml
Citalopram	5.220	7095904	92176.59	34.7	90767.98	284694	1029.6992 ng/ml
Clonazepam	5.611	1081866	1707.63	37.3	1560.89	26947	665.9729 ng/ml
Clonazolam	5.575	935457	503345.87	38.8	446682.20	26947	588.5491 ng/ml
Cocaine	4.264	6336671	132776.14	56.3	79016.64	511793	1043.5366 ng/ml
Codeine	2.589	586699	13479.48	95.9	17767.83	41318	827.9586 ng/ml
Cyclobenzaprine	5.620	7325809	1129.65	6.9	88425.93	290396	1077.2236 ng/ml
Dextromethorphan	5.277	4314971	66727.06	77.8	90256.80	212724	992.6706 ng/ml
Dextrorphan	4.123	3315002	33659.43	216.4	3914.99	363716	1041.5799 ng/ml
Diazepam	5.954	3136105	4680.97	89.1	16910.29	140813	1023.6082 ng/ml
Dihydrocodeine	2.568	2335968	74311.91	63.5	216.25	202059	732.1161 ng/ml
Diphenhydramine	5.305	23583315	149716.48	32.2	31113.37	1122636	991.5459 ng/ml
Doxylamine	4.547	28102956	156192.30	95.4	293092.60	1277009	949.4956 ng/ml
Duloxetine	5.647	300866	2606.24	14.7	855.27	18954	916.8924 ng/ml
EDDP	5.263	9554055	163912.83	39.9	48823.45	439486	1046.3807 ng/ml
Etizolam	5.814	2290542	1612.08	25.0	399193.61	26947	1402.2724 ng/ml
Fentanyl	5.110	1479662	2756.10	74.6	1391449.82	678617	108.7855 ng/ml
Fluorofentanyl	5.164	2451209	55966.96	41.4	21704.65	4287	93.2866 ng/ml
Fluoxetine	5.714	4226247	24989.63	7.5	211652.53	148054	1019.9364 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Hydrocodone	3.029	4023453	∞	37.8	∞	233231	916.1514 ng/ml
Hydromorphone	1.629	2958559	7398279.52	75.5	6177372.58	94895	994.5542 ng/ml
Hydroxyzine	5.704	8534557	23471.31	82.4	95999.18	212724	1104.4920 ng/ml
Ketamine	4.048	5111363	101394.79	35.0	16225.55	337949	707.3727 ng/ml
Lamotrigine	4.293	366201	3357.60	89.8	94.23	736382	673.1364 ng/ml
Lorazepam	5.747	665739	9373.27	53.9	293.79	47276	1168.3272 ng/ml
MDA	3.201	5132595	42074.32	31.8	12285.70	266644	757.7654 ng/ml
MDMA	3.302	7372120	36365.64	95.3	127586.54	79272	1016.1327 ng/ml
Meprobamate	4.909	811441	3566.62	32.4	5036.09	84577	438.9965 ng/ml
Methadone	5.661	17429118	207156.43	48.1	60054.19	616932	1046.0068 ng/ml
Methamphetamine	3.236	16820404	246.13	35.7	50550.79	877817	753.1707 ng/ml
Metoprolol	4.326	1678936	61827.88	104.3	5584748.49	902218	743.5441 ng/ml
Mirtazapine	4.627	15414841	239060.41	47.2	427712.65	516843	925.6791 ng/ml
Mitragynine	5.239	3147547	130699.12	36.4	1026887.53	616932	922.6943 ng/ml
Morphine	1.261	526496	518.67	24.6	∞	10231	951.4587 ng/ml
Norbuprenorphine	4.999	45334	85553.91	98.0	3786.69	23701	103.7755 ng/ml
Nordiazepam	5.900	1768657	34002.82	57.6	588.58	63048	944.6890 ng/ml
Norfentanyl	4.090	634955	49436.42	39.2	910.11	211152	126.6208 ng/ml
Norhydrocodone	3.077	917242	∞	42.2	∞	41987	1125.9459 ng/ml
Noroxycodone	2.927	2037444	14245.30	49.3	30117.43	70578	1008.7452 ng/ml
O-desmethyl-tramadol	3.381	21981781	684477.68	5.7	32204.50	1214401	1030.6557 ng/ml
o-desmethylvenlafaxine	4.068	13065061	32.13	17.7	33599.40	10694	973.5257 ng/ml
Olanzapine	4.462	4313607	795.91	58.0	790.31	88657	1088.3845 ng/ml
Oxazepam	5.756	816703	21176.55	71.2	3251.59	47276	961.4434 ng/ml
Oxycodone	2.852	7328759	958.02	29.4	5449.95	301439	962.6092 ng/ml
Oxymorphone	1.419	2138826	∞	46.5	789.57	82389	968.6746 ng/ml
Phentermine	3.792	3252339	∞	7.2	3937.06	542644	708.2121 ng/ml
Promethazine	5.544	13771681	149934.89	30.0	1135.85	641614	1043.4649 ng/ml
Pseudoephedrine	2.613	19970167	179582.65	16.0	76068.51	736382	1111.0164 ng/ml
Quetiapine	5.560	9147255	57380.67	59.8	79419.20	163106	862.9267 ng/ml
Sertraline	5.782	1098504	36922.46	95.9	25486.05	47256	1075.4697 ng/ml
Temazepam	5.837	2182688	5754.43	26.2	8765.76	94816	966.4648 ng/ml
Tramadol	4.245	14914238	606.77	3.6	434.47	902218	876.4346 ng/ml
Trazodone	5.164	15892158	332317.12	73.1	113970.93	720641	755.4443 ng/ml
Venlafaxine	5.044	18832118	4183.83	33.9	170363.87	924724	1086.4619 ng/ml
Xylazine	4.083	6867850	130864.79	49.4	81769.88	308757	1013.3764 ng/ml
Zolpidem	4.920	18457003	286.34	26.2	224367.60	928689	846.3098 ng/ml